Getting Started

Initializing the Cash Register

For your cash register to operate properly, you must initialize it before programming for the first time. Follow this procedure:

1. Remove the cover from the printer part, and clean with a dry soft cloth. Never use volatile liquids, such as benzine or thinner. Chemicals can dissolve or damage the cabinet.
2. Press the Z/PGM key twice to turn the mode switch to the Z/PGM position. Follow the newly specified settings, see the appropriate sections.
3. Install the new batteries (3x "AA") before programming and operating the cash register. Once initialized, the batteries will last approximately one year. When it is time to replace them, the "L" symbol will appear on the display to indicate a low battery voltage. If the symbol appears, you must replace them within two days.
4. Install the batteries according to this procedure:
   - Place a paper roll in the paper roll cradle so that the paper unravels from the bottom.

Installing Batteries

Batteries must be installed in the cash register to prevent data and programmed contents from being lost in case of accidental disconnection of the AC cord or power failure. Please install three new "AA" batteries before programming and operating the cash register. Once initialized, the batteries will last approximately one year. When it is time to replace them, the "L" symbol will appear on the display to indicate a low battery voltage. If the symbol appears, you must replace them within two days.

Installing a Paper Roll

Always install the paper roll even when you set the register for not printing journal or receipt in REG mode.
1. Push the printer cover forward and detach it.
2. Open the battery cover with the paper roll cradle.
3. Insert the paper straight into the paper inlet, and press the $ key. The inserted end comes out at the printing area.
4. When the batteries are properly installed, the "L" on the display will disappear. Close the battery cover.

Handling Cautions

Install the cash register in a location not subject to direct sunlight, unusual temperature changes, high humidity, or splashing water.

Do not operate the cash register with wet hands. Water can cause internal component failure.

The cash register plugs into any standard wall outlet (120V AC + 10%). Avoid connecting any other electrical devices on the same electrical circuit since such connection could cause the cash register to malfunction.

When cleaning the cash register, use a dry, soft cloth. Never use volatile liquids, such as benzine or thinner. Chemicals can dissolve or damage the cabinet.

For protection against data loss, please install three new "AA" batteries before using the cash register. However, never forget to initialize the cash register before installation of batteries; otherwise damage to memory contents or malfunctioning of the register will occur. You can start operating it only after initializing it and then installing batteries.

For complete electrical disconnection, pull out the main plug.
When Paid by Cash

1. Turn the mode switch to the REG position.
2. Enter the clerk code (1 to 4) and press \( \text{CASH} \) (Once the clerk code is entered, you need not enter the clerk code at the start of each transaction until the clerk is changed.)
3. Enter the amount tendered for the first item.
4. Press the appropriate department key.
5. Repeat steps 2 and 3 for all the remaining items.
6. Press \( \text{PS} \) to display the amount due including any tax (you can omit this step).
7. Enter the amount received from the customer (you can omit this step if the amount tendered is the same as the subtotal).
8. Press \( \text{PS} \) and the change due is displayed and the drawer opens.
9. Close the drawer.

When Paid by a Credit Card

Press \( \text{CASH} \) at the end of the transaction. The amount tendered cannot be entered.

When Paid by Check

Press \( \text{CASH} \) at the end of the transaction. The amount tendered can be entered like a cash sale and the tendered cannot be entered.

Example: Selling five pieces of \$1.50 item (department 1)

To enter a sale of two or more of the same item, use Multiplication Entries

Repetitive Department Entries

To enter two or more of the same item, press the appropriate department key repeatedly.

Multiplication Entries

To enter a sale of two or more of the same item, use key for multiplication.

Example: selling five pieces of \$1.50 item (department 1) and three pieces of \$3.50 item (department 3) for check payment.

Display

The XE-A102 is equipped with a front LED (Light-Emitting Diode) display that allows easy visibility during entry.

Symbols and figures appearing on the display:

- Department code
- PLU code

Departments/PLU Code: The department code or PLU code entered appears on the left. For example, if the key for department 1 is pressed \( \text{CASH} \), "1" would appear in the extreme left position.

Repeat: Indicates the number of times the same department key is pressed. If an entry is repeated more than ten times, only the first digit is displayed (12 displays as \( \text{CASH} \)).

Error: This symbol appears, accompanied by a warning beep, when an error is made. This occurs during a transaction because of an excessive digit entry, simply press \( \text{CASH} \) and re-enter correct.

Program: This symbol remains on the display when in the Z/PGM mode.

Pinpoint: This symbol appears when a transaction is finalized by pressing \( \text{CASH} \) or \( \text{PS} \).

Subtotal: This symbol appears when an item is programmed in the "Z/Flash Position and Press" function.

Low battery: This symbol appears when the power of the installed batteries is below a certain level or you need to replace the batteries with new ones. (see the "Maintenance" section for explanation.)

No battery: This symbol appears when no batteries are installed. (see "Maintenance" and "Getting Started" sections for explanation.)

In addition, the following appear when appropriate:

- The minus sign (-) can appear in positions 2 to 8.
- The decimal point appears in positions 1 to 3.
- When entry of the secret code is necessary, \( \ldots \) appears in positions 1 to 4.

Single Item Cash Sale (SICS) Entry

This function is used for the sale of single item cash sales or PLU items associated with that department.

After the appropriate department or PLU key is pressed, the transaction is complete and the drawer opens. For double charging of SICS, see the Department Status section in "Programming.

Price Lookup

The PLU function allows speed key entries. When a PLU code has been assigned to an item and a price for it has been programmed, entry of the code automatically calls up the price for the item. Up to 80 PLU codes are programmable. See the PLU programing in "Programming."

To enter a sale of a PLU item, simply enter its code and press \( \text{CASH} \).

Tax Calculation

When the register is programmed with a tax rate or tax rate method and the tax status of a department is programmed as taxable, the register automatically computes the tax on any item entered using the department key for that department or a PLU code associated with that department.

Taxable Subtotal

You can display the taxable 1 or taxable 2 subtotal by pressing \( \text{CASH} \) after the sale of an item and each tax entry is displayed.

Tax Shift

To change the taxable status, press the appropriate tax shift key just before the department key. \( \text{CASH} \) (in case of repetitive entries, the shifted tax status is used).

Tax Delete

This function is used when the taxable item or items entered need to be made non-taxable. Press \( \text{CASH} \), then \( \text{CASH} \), and all entries made so far in the transaction for items with the specified taxable status will be made non-taxable.

To make all entries up to that point non-taxable, press \( \text{CASH} \), then \( \text{CASH} \), and all subsequent entries in the transaction remain unaffected and will be taxed normally.

Manual Tax

You can apply tax manually when the automatic tax calculation function cannot be used. Each manual tax entry (for Tax 1 or Tax 2) can be made only once during a transaction. After a manual tax entry, you cannot make any further item entries.

Manual tax 1 entry:

Manual tax 2 entry:

Opening the Drawer with No Sale

Just press \( \text{CASH} \) and the drawer opens.

Percent Key

The percent key is used to apply a discount or premium to an item or to a subtotal.

Discount for an item:

Discount for a subtotal:

Entering a Refund

The cash register has no refund key. You must use the following alternative method to make a refund entry:

A negative department for refund must be programmed in advance. Check the tax status of the returned item is the same as that of the programmed negative department. If not, use the appropriate tax shift key to change the tax status.

Procedure:

- With the returned item key in the non-add dept. key.

Non-add Code Number

Non-add code numbers can be entered and printed on the journal (or receipt) during the entry of a sale. Non-add codes can be used for credit numbers, check numbers, serial numbers, product codes, service charge codes or any other numbers for references to specific transactions. Non-add code numbers can be entered in the REG or VOID mode.

Received-on-Account

The received-on-account (RA) entry function is used for entering the cash received not directly connected with a sale. A paid-out (PO) entry function is used for recording the money taken from the drawer for payment not directly connected with sales. These functions are available in the X-Flash mode.

Received-on-account entry (X-Flash mode) amount received (up to \$799,999.99) \( \ldots \) Press \( \text{PS} \) and re-enter a correct number.

- You make an entry by proceeding a programmed entry limit digit.

- Press \( \text{PS} \) and check if the entered amount is correct. If not correct, re-enter a correct amount. If correct, check the setting of the entry digit limit.

- A subtotal exceeds 7,999,999.99 (eight digits), Press \( \text{PS} \) and then press \( \text{PS} \) or \( \text{PS} \) to finish the transaction.

- The number of an item exceeds 3 digits in multiplication entry:

- Press \( \text{PS} \) and re-enter the correct number.

Error Escape Function

When an entry is something not controllable during a transaction and you cannot keep the customer waiting, press \( \text{PS} \) twice (following when in the error state). You can escape the situation and finalize the transaction as a cash sale at that time. Transaction entries to that point are registered.
**Programming**

Before you begin programming, turn the mode switch to the Z/PGM position.

Follow these steps as needed.

1. **If you do not press the **Dept.** key at the end of each programming step, you can continue programming without printing the programming report.**

2. **To set each PLU, enter the price simply by pressing the department key.**

3. **Follow these steps as needed.**

- **Programming by Departments**
  - **Preset Unit Price**
    - The preset unit price function assigns a frequently purchased item to a department key and enables you to enter the price simply by pressing the department key.
    - Specify a price using the following sequence:
      
      ```
      Unit Price (Max. 5 digits) ➔ Dept. key ➔ 
      ```

  - **Department Status**
    - You can specify various status parameters (+ or - sign, single item cash sale function, taxable status and entry digit limit) for a department key. Use the following sequence:
      
      ```
      ABCD/EFG ➔ Dept. key ➔ 
      ```

  - **PLU (Price Look-Up) Programming**
    - Each PLU is associated to a department and the programmed content for the department is automatically applied. Your cash register is pre-programmed so PLU codes 1-10 are assigned to department 1 and PLU codes 11-80 are disabled. To set the PLU, enter the price. To disable a PLU code, use the following sequence:
      
      ```
      PLU code ➔ Price ➔ Dept. key ➔ 
      ```

- **Miscellaneous Settings**
  - You can program miscellaneous settings using the following sequence:
    
    ```
    ABCDEFG ➔ Dept. key ➔ 
    ```

    where A, B, C, D, E, F, G and H represent the following choices.

    - **A:** Choice of + or - sign 
    - **B:** Choice of single item cash sale (SICS) function 
    - **C:** Choice of taxable status 
    - **D:** Printing time 
    - **E:** Printing consecutive numbers 
    - **F:** Printing subtotal 
    - **G:** Entry digit limit (0 to 7 digits)

  - **Example:** Program the following: 
    
    ```
    ABCDEFG ➔ Dept. key ➔ 
    ```

  - **Tax Table Programming**
    - If tax is not shown for every cent, use the breakpoints to determine the highest tax amount for each missing breakpoint. In sample tax table 2, tax is not shown for .05, .07, .13, .15 and .16. Likewise, the following breakpoints are not shown. To compile the table, simply insert the next highest breakpoint after each missing figure. Therefore, the breakpoint for .05 would be .09, .07 and .06 would be programmed. 
      
      ```
      Code for Tax (1 to 2 digits) ➔ Tax Breakpoint ➔ 
      ```

    where R, M and Q represent the following:

    - **R:** Tax rate (0.0000 to 99.9999%) x 10000
    - **M:** If the tax rate is fractional, it should be converted to its decimal equivalent before entering.
    - **Q:** Set the tax rate for taxable 1, 0001 for taxable 2, 0101 for taxable 3, 1000 for taxable 4 or 0011 for taxable 1 and 2.

  - **Void Operation in the X/Flash Mode**
    - If the secret code is programmed, you can enter the secret code here and press [ ]. After entering the amount and pressing [ ]

- **Printing Format**
  - You can choose either a journal or receipt format and specify other options for the printing format.

  - **Initial setting:** 0.00%

  - **Follow these steps:**
    
    ```
    . ➔ ABCDEF ➔ 
    ```

    where A = B = C = D = E = F = 0 and G = 1

  - **Programing by Departments**
    - **Preset Unit Price**
      
      ```
      Preset Unit Price ➔ 
      ```

    - **Department Status**
      
      ```
      Department Status ➔ 
      ```

    - **PLU (Price Look-Up) Programming**
      
      ```
      PLU (Price Look-Up) Programming ➔ 
      ```

  - **Miscellaneous Settings**
    - You can program miscellaneous settings using the following sequence:
      
      ```
      MiscSettings ➔ 
      ```

- **In Case of a Power Failure or Paper Jam**
  - The following situations may arise during a power failure or paper jam. Make sure that batteries are correctly installed.
  - When the power is recovered or a power failure is removed, the register will resume normal operation with a next key operation.

  - **When a power failure occurs with the register turned on or during a computation process:**
    
    - To start from a specific number, enter the number less one or zero (e.g. if you want to start from receipt number 1001, enter 1000).

  - **Consecutive (receipt) number ➔ 
    
    ```
    Consecutive (receipt) number ➔ 
    ```

  - **Initial setting:** starting from 0001(72000)
Maintenance

Batteries
This cash register provides a low battery symbol ( flashing ) and a no battery symbol ( ) which appears on the far left of the display in one of the following situations:

Low battery symbol ( )
• When the voltage of the batteries installed in the cash register is under the required level.

No battery symbol ( )
• When three batteries are not installed in the cash register.
• When the batteries installed in the cash register are dead.

When either of these symbols appear, check batteries. If no batteries are installed, install three new "AA" batteries at once. If batteries are already installed, replace them with new ones as soon as possible. If the AC power cord is disconnected or a power failure occurs when the batteries are dead or not installed, all the programmed settings will be reset to the default settings and any data stored in memory will be cleared.

If the low battery symbol appears while machine is turned on, the machine will not operate when any key is pressed.

Replacement
1. Be sure the cash register is plugged in.
2. Turn the mode switch to the REG position.
3. Peel off the release paper of the adhesive tape from the mounting bracket.
4. Open the battery cover and remove the old batteries.
5. Install three new "AA" batteries into the battery compartment.
6. Install a new paper roll and the take-up spool according to the instructions in "Getting Started."

This cash register provides a low battery symbol ( ) and a no battery symbol ( ) on the far left of the display in one of the following situations:

When colored dye appears on the edges of the paper roll, it is time to replace the roll. Use paper of 2 1/4" (57 mm) in width. To prevent jamming be sure to use paper specified by SHARP.

Replacement (Journal printing)
1. Turn the mode switch to the REG position.
2. Open the printer cover.
3. Press [ Alt ] to advance the paper several lines.
4. Remove the take-up spool from the bearing.
5. Install three new "AA" batteries into the battery compartment.
6. Install a new paper roll and the take-up spool according to the instructions in "Getting Started."

In case of receipt printing, steps 3 and 5 should be omitted and the take-up spool need not be installed in step 6.

Replacing the Ink Roller
1. Open the printer cover.
2. Remove the ink roller by pulling it upward.
3. Install a new ink roller.

Paper Roll
When colored dye appears on the edges of the paper roll, it is time to replace the roll. Use paper of 2 1/4" (57 mm) in width. To prevent jamming be sure to use paper specified by SHARP.

Installing the Mounting Bracket
A mounting bracket which prevents the register from moving accidently is supplied with your XE-A102 register. Attach the bracket to a table where the register rests, as follows:

How to attach the mounting bracket
1. Thoroughly clean the table surface where you wish to place the bracket (B).
2. Peel off the release paper of the adhesive tape on the bracket.
3. Hook the bracket onto the hook (A) at the bottom of the back of the register.
4. Hold down the bracket so that it firmly sticks to the table surface.

How to release the register from the mounting bracket
Lift up the front of the register and pull it towards you.

Specifications

Model: XE-A102
Size: Inches: 13.0 (W) x 14.3 (D) x 9.21 (H) cm
Millimeters: 330 (W) x 363 (D) x 234 (H) mm
Weight: Approx. 11.0 lbs. (5.0 kg)
Power Source: 120V AC, 60Hz
Power Consumption: Standby: 4 W, Operating: 12.5 W
Working Temperature: 32 to 104°F (0 to 40°C)
Display: LED (Light- Emitting Diode) numeric display
Printer: 1 station, print wheel selective type
Printing Capacity: Max. 13 characters
Paper Roll: Width: 2 1/4" (57.5mm) ± 0.5mm
Min. external diameter: 3-5/32" (80mm)
Max. external Diameter: 15/32" (12mm)
Cash Drawer: 4 slots for bills, 5 for coins

Accessories (supplied): Paper roll: 1 roll
Model key: 2
Drawer lock key: 2
Instruction manual (English): 1 copy
Instruction manual (Spanish): 1 copy
Quick Start Guide (English/Spanish): 1 copy
Ink roller: 1 (Installed)
Remove the take-up spool.

Before Calling for Service
If you encounter any of the following problems, please read below before calling for service.

The display shows symbols that do not make sense.
• Has the machine been initialized properly as shown in “Getting Started.”

The display will not illuminate while the machine is turned on. The machine will not operate when any key is pressed.
• Is the power supplied to the electrical outlet? (Plug another electrical device into the outlet for confirmation.)
• Is the power cord firmly connected to the electrical outlet?

The display is illuminated, but the machine will not accept key entry.
• Is the mode switch properly set to the REG position? (See “Getting Started.”)
• Has the machine been initialized properly as shown in “Getting Started.”

Journal paper will not feed properly in the printer.
• Is the take-up spool installed properly? (See “Getting Started.”)
• Is there a paper jam? (See “Troubleshooting.”)
• Is the journal format selected in the printing format programming? (If the incorrect format is selected, the printer is not wound around the take-up spool.)

Printing is faded or illegible.
• Is the ink roller used up? (See “Getting Started.”)
• Has the ink roller been installed properly?

Power Consumption: 120V AC

TORO QRD 3810A
1-800-REPAIR

Replacing the Ink Roller
1. Open the printer cover.
2. Remove the ink roller by pulling it upward.
3. Install a new ink roller.

Removing the Drawer
To remove the drawer, pull it out and lift it up.

Coin case
• To prevent burglary, it is a good idea to replace the defective Product or part thereof at no charge to the purchaser for parts or labor for the time period(s) set forth below. This warranty does not apply to any appearance items of the Product nor to the additional excluded item(s) set forth below nor to any product the exterior of which has been damaged or defaced, which has been subjected to misuse, abnormal service or handling or which has been altered or modified in any way. Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein or to extend the duration of any warranties beyond the time period described herein on behalf of Sharp. The warranty described herein shall be the sole and exclusive warranty granted by Sharp and shall be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and for the period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the purchaser with respect to the Product and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall Sharp be liable, or in any way responsible, for any incidental or consequential economic or property damage. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

TO OBTAIN SUPPLIES, ACCESSORIES OR PRODUCT INFORMATION, CALL 1-800- RE-BEAH.
Precauciones para el uso
Coloque la caja registradora en un lugar alejado de los rayos directos del sol, las variaciones extremas de temperatura, humedad alta o salpicaduras de agua. No use la caja registradora con las manos mojadas. El agua puede causar daños internos.

Enchufe la caja registradora en un tomacorriente en el país y región apropiada. En algunos estados, las ventas cuyas transacciones no sean registradas deben ser recaudadas. En algunos estados, las ventas cuyas transacciones se registan correctamente pero no se imponen, no se recaudan. Si los clientes reciben una factura que incluye una tasa de impuesto, el valor debe ser convertedo a su tipo de cambio efectivo.

Limpie la caja registradora con un paño suave y seco. No use líquidos volátiles, como bencina o diluyentes. Los productos químicos pueden dañar el exterior de la caja registradora.

Antes de usarse la caja registradora, para favor instalar tres pilas nuevas y ajustar los niveles de impuestos. Gire el interruptor del modo a la posición Z/PGM. La tasa de porcentaje aquí especificada se emplea para la programación de la tabla de impuestos.

Instalación de las pilas
Las pilas deben instalarse en la caja registradora para evitar que los datos se borren de la memoria. En algunos lugares, la memoria de la caja registradora puede ser borrada por caída accidental o falta de corriente eléctrica. Para instalar tres pilas nuevas, "AAA" puede ser instalado en la caja registradora. Una vez instaladas, las pilas durarán aproximadamente un año. Cuando llegue el momento de cambiar las pilas, el símbolo "#" aparecerá con el símbolo "#/." Para reemplazar las pilas, el importe recibido adicional o un registro a cargo.

Preparaciones para el uso
Inicialización de la caja registradora
Para que su caja registradora funcione adecuadamente debe inicializarse después de programarla por primera vez. Siga el siguiente procedimiento:

1. Saque la registradora de la caja de embalaje. 2. Coloque la caja registradora en un lugar nivelado en el interruptor del modo y gire a la posición "RE0." 3. Introduzca en el enchufe del tomacorriente. 4. Pulse la tecla de función a la operación 0, sin instalar las pilas. 5. El indicador parpadeará tres veces. Ahora la caja registradora ha sido inicializada.

Instalación de las pilas
Las pilas deben instalarse en la caja registradora para evitar que los datos se borren de la memoria. En algunos lugares, la memoria de la caja registradora puede ser borrada por caída accidental o falta de corriente eléctrica. Para instalar tres pilas nuevas "AAA", anterior a emparejar la programación de la caja registradora. Una vez instaladas, las pilas durarán aproximadamente un año. Cuando llegue el momento de cambiar las pilas, el símbolo "#" aparecerá con el símbolo "#/.

Cambie otros ajustes como sea necesario
Su caja registradora está programada para que las ventas se registren con un subtotal imponible.

Para cambiar los ajustes predeterminados, vea las secciones que correspondan.

Ajustes preestablecidos:
Seciones del 1 al 4: Impuesto (porcentaje). 0.00. Seciones del 5 al 8, No impolible. 0.00...

Para programar el impuesto que debe ser colocado de acuerdo con la ley de su estado, se debe especificar la tasa de porcentaje y las mínimas cantidades impomerables. SI lo desea programar el estado impolible predeterminado para su caja registradora.

Cambie el estado impolible predeterminado para su caja registradora. También se puede registrar el impuesto manualmente.

Instalación de las pilas
El método de la tabla de impuestos implica una tasa de porcentaje constante por dólar. El método de la tabla de impuestos requiere información de los niveles impolibles que debe conocer los oficinas de impolible. Esa estándar o estado que se programa para calcular estos impolibles por separado.

Preparación de las impolibles
Un cálculo de los impolibles. El método de los impolibles de impolibles implica una tasa de porcentaje constante por dólar. El método de la tabla de impuestos requiere información de los niveles impolibles que debe conocer los oficinas de impolible. Esa estándar o estado que se programa para calcular estos impolibles por separado.

Instalación de las pilas
Table de impolibles
La tabla de porcentaje aquí especificada se puede usar para calcular los impolibles. La tabla de impolibles se puede cambiar a su tipo de cambio efectivo.

Le felicitamos por haber comprado una caja registradora electrónica de SHARP modelo XE-A102. Le cuidadosamente este manual antes de usarla. Mantenga este manual de instrucciones para futuras consultas, pues le ayudará resolver cualquier problema que encuentre.

Programación de los impolibles
Antes de que pueda procesar con los registros de los impolibles, debe primero programar el impuesto que se aplica de acuerdo con la ley de su estado. Esta caja registradora la ofrece la posibilidad de programar cuatro diferentes tasas de impolible. En la mayoría de los estados, solamente se necesita programar el Impuesto 1. Sin embargo, si vive en una zona que tiene un impuesto para envases de plástico (como por ejemplo un impuesto por envases), o un impuesto de reciclaje, se requiere una programación adicional para calcular estos impolibles por separado.

Preparar el impuesto que debe ser colocado de acuerdo con la ley de su estado, se debe especificar la tasa de porcentaje y las mínimas cantidades impomerables. SI lo desea programar el estado impolible predeterminado para su caja registradora.

Cambie el estado impolible predeterminado para su caja registradora. También se puede registrar el impuesto manualmente.

Existen dos métodos de programación del impuesto. El método de la tabla de impuestos implica una tasa de porcentaje constante por dólar. El método de la tabla de impuestos requiere información de los niveles impolibles que debe conocer los oficinas de impolible. Esa estándar o estado que se programa para calcular estos impolibles por separado.

Preparación de las impolibles
Programación de la tabla de impuestos
La tasa de porcentaje aquí especificada se puede usar para calcular los impolibles. La tabla de impuestos se puede cambiar a su tipo de cambio efectivo.

Por ayuda llame al: 1-800-BE-SHARP

Le felicitamos por haber comprado una caja registradora electrónica de SHARP modelo XE-A102. Le cuidadosamente este manual antes de usarla. Mantenga este manual de instrucciones para futuras consultas, pues le ayudará resolver cualquier problema que encuentre.