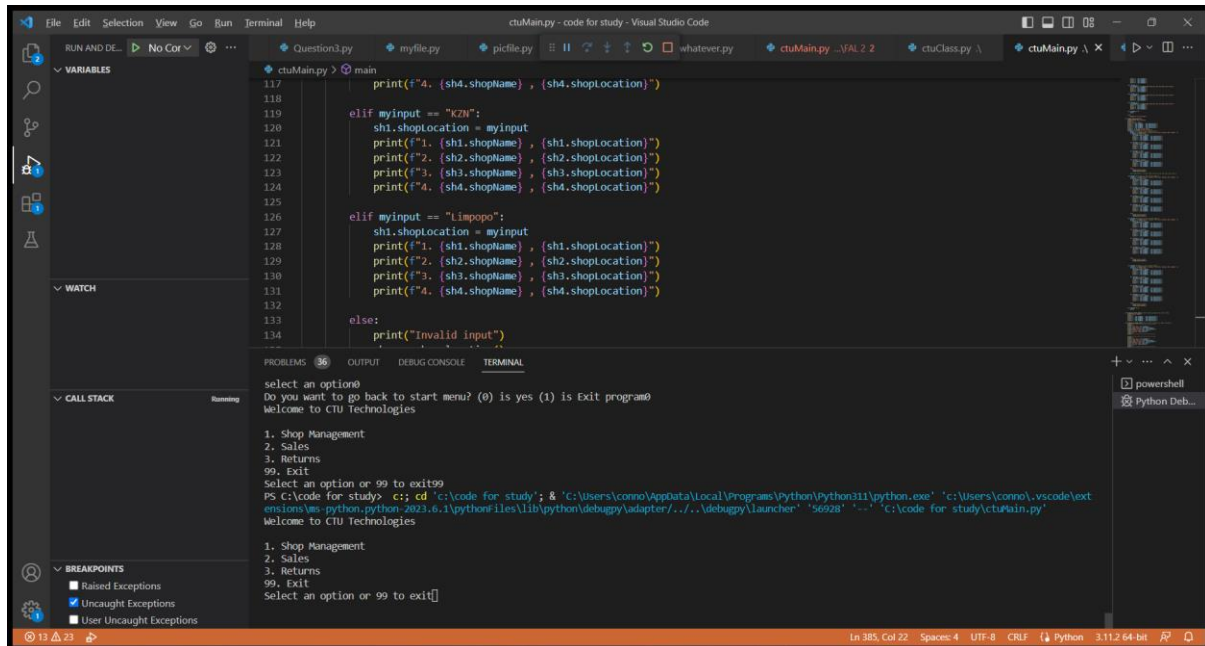
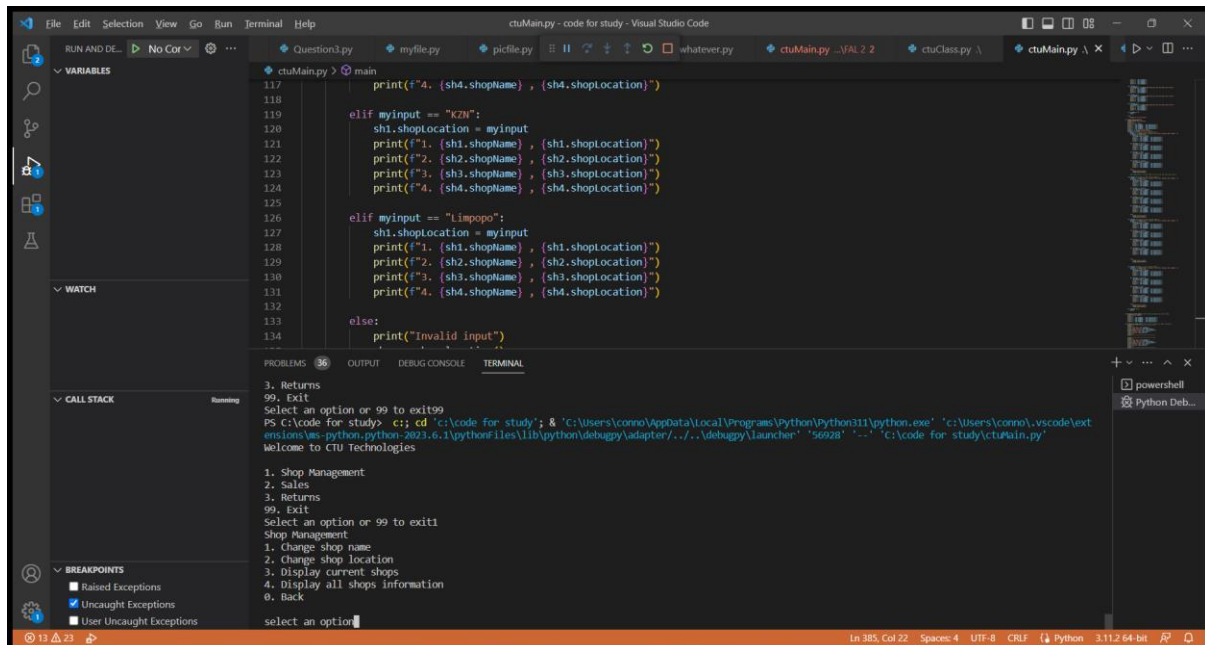


## Main Menu of program



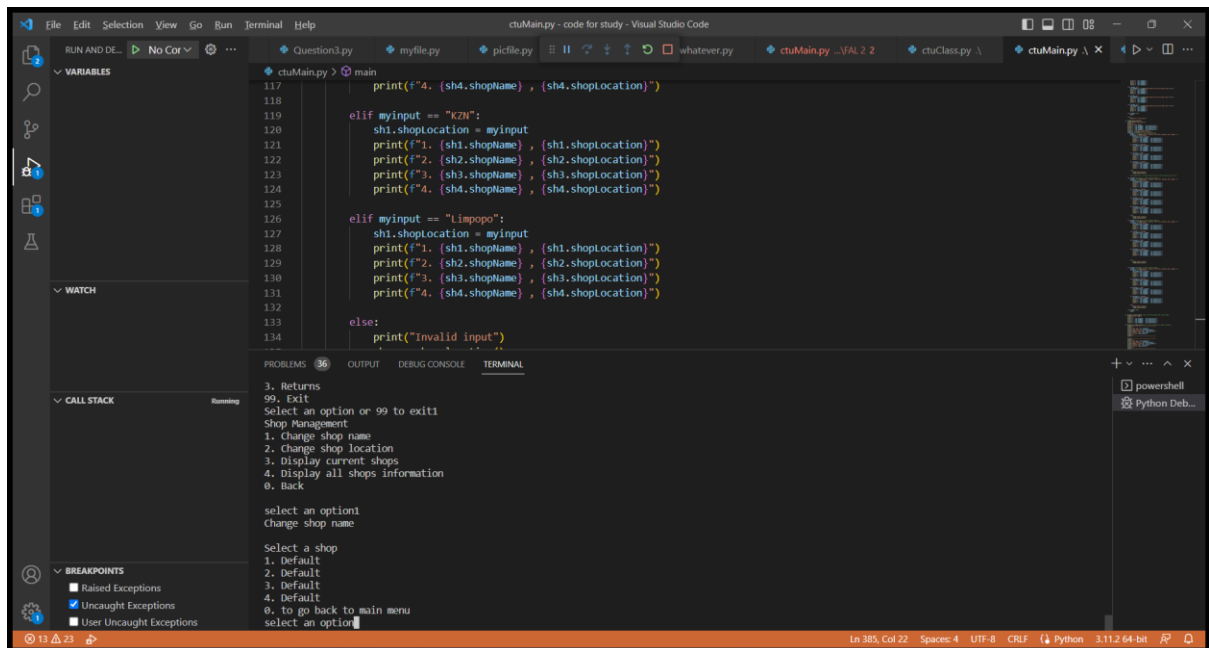
```
File Edit Selection View Go Run Terminal Help
ctuMain.py - code for study - Visual Studio Code
Question3.py myfile.py picfile.py whatever.py ctuMain.py --VAL 2.2 ctuClass.py ctuMain.py x
VARIABLES
WATCH
CALL STACK
BREAKPOINTS
ctuMain.py > main
117 print(f"4. {sh4.shopName} , {sh4.shoptocation}")
118
119 elif myinput == "K2N":
120     sh1.shoptocation = myinput
121     print(f"1. {sh1.shopName} , {sh1.shoptocation}")
122     print(f"2. {sh2.shopName} , {sh2.shoptocation}")
123     print(f"3. {sh3.shopName} , {sh3.shoptocation}")
124     print(f"4. {sh4.shopName} , {sh4.shoptocation}")
125
126 elif myinput == "Limopo":
127     sh1.shoptocation = myinput
128     print(f"1. {sh1.shopName} , {sh1.shoptocation}")
129     print(f"2. {sh2.shopName} , {sh2.shoptocation}")
130     print(f"3. {sh3.shopName} , {sh3.shoptocation}")
131     print(f"4. {sh4.shopName} , {sh4.shoptocation}")
132
133 else:
134     print("Invalid input")
135
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
select an option
Do you want to go back to start menu? (0) is yes (1) is Exit program
Welcome to CTU Technologies
1. Shop Management
2. Sales
3. Returns
99. Exit
Select an option or 99 to exit
PS C:\code for study> c; cd 'c:\code for study'; & 'C:\Users\conno\AppData\Local\Programs\Python\Python311\python.exe' 'c:\Users\conno\.vscode\ext
ensions\ms-python.python-2023.6.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '56928' '--' 'C:\code for study\ctuMain.py'
Welcome to CTU Technologies
1. Shop Management
2. Sales
3. Returns
99. Exit
Select an option or 99 to exit
```

## Shop management menu



```
File Edit Selection View Go Run Terminal Help
ctuMain.py - code for study - Visual Studio Code
Question3.py myfile.py picfile.py whatever.py ctuMain.py --VAL 2.2 ctuClass.py ctuMain.py x
VARIABLES
WATCH
CALL STACK
BREAKPOINTS
ctuMain.py > main
117 print(f"4. {sh4.shopName} , {sh4.shoptocation}")
118
119 elif myinput == "K2N":
120     sh1.shoptocation = myinput
121     print(f"1. {sh1.shopName} , {sh1.shoptocation}")
122     print(f"2. {sh2.shopName} , {sh2.shoptocation}")
123     print(f"3. {sh3.shopName} , {sh3.shoptocation}")
124     print(f"4. {sh4.shopName} , {sh4.shoptocation}")
125
126 elif myinput == "Limopo":
127     sh1.shoptocation = myinput
128     print(f"1. {sh1.shopName} , {sh1.shoptocation}")
129     print(f"2. {sh2.shopName} , {sh2.shoptocation}")
130     print(f"3. {sh3.shopName} , {sh3.shoptocation}")
131     print(f"4. {sh4.shopName} , {sh4.shoptocation}")
132
133 else:
134     print("Invalid input")
135
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
3. Returns
99. Exit
Select an option or 99 to exit
PS C:\code for study> c; cd 'c:\code for study'; & 'C:\Users\conno\AppData\Local\Programs\Python\Python311\python.exe' 'c:\Users\conno\.vscode\ext
ensions\ms-python.python-2023.6.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '56928' '--' 'C:\code for study\ctuMain.py'
Welcome to CTU Technologies
1. Shop Management
2. Sales
3. Returns
99. Exit
Select an option or 99 to exit
Shop Management
1. Change shop name
2. Change shop location
3. Display current shops
4. Display all shops information
0. Back
select an option
```

## Change shop name menu



The screenshot shows the Visual Studio Code interface with a Python file named `ctuMain.py` open. The code is running, and the terminal output shows the following menu:

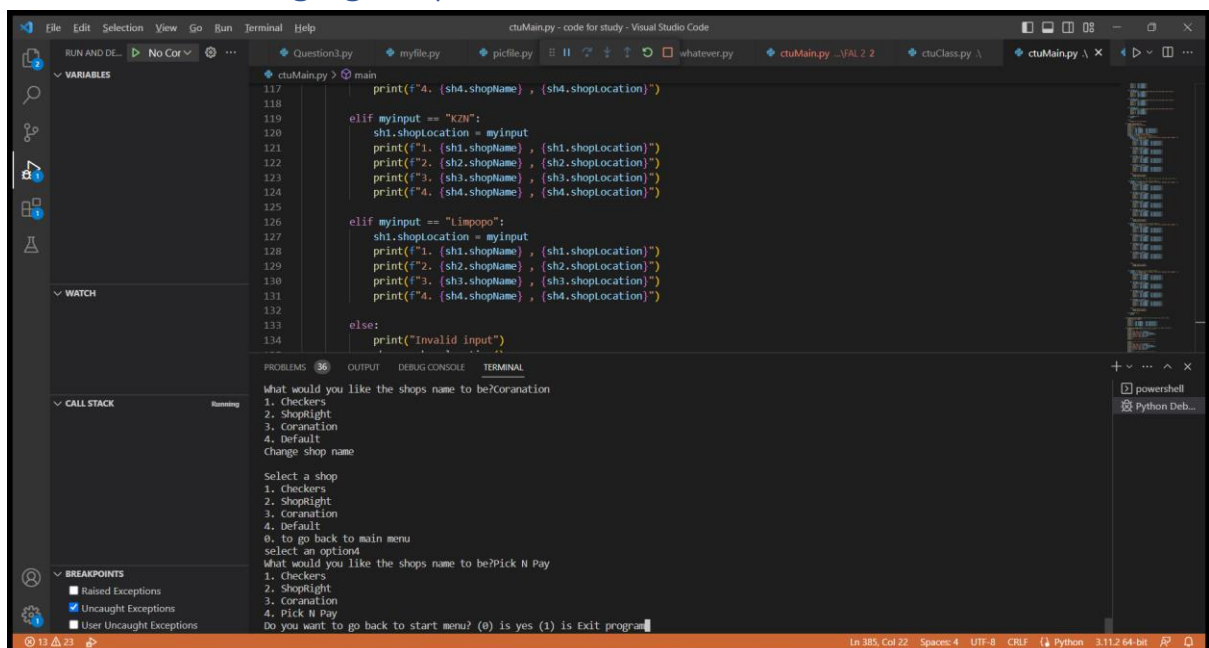
```
3. Returns
99. Exit
Select an option or 99 to exit:
Shop Management
1. Change shop name
2. Change shop location
3. Display current shops
4. Display all shops information
0. Back

select an option:
Change shop name

Select a shop
1. Default
2. Default
3. Default
4. Default
0. to go back to main menu
select an option:
```

The code in the editor shows a menu system with options for changing shop names and locations. The `main` function prints the menu and handles user input. The `changeShopName` function is called when option 1 is selected.

## Menu after changing shop names



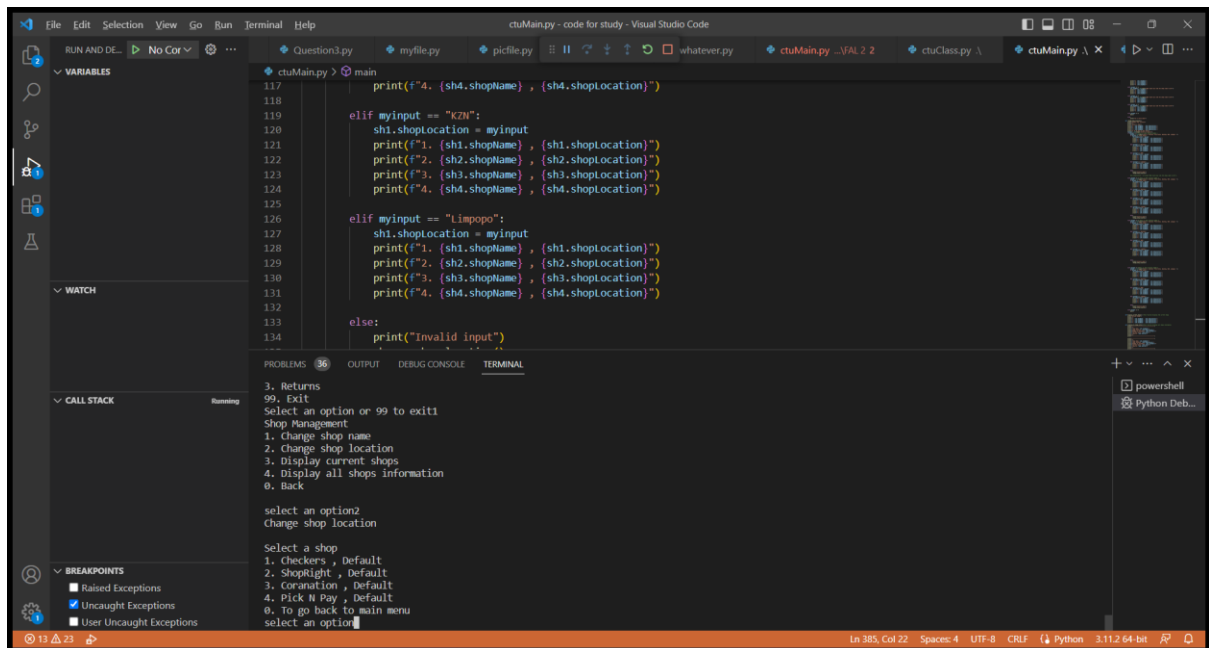
The screenshot shows the Visual Studio Code interface with the same Python file `ctuMain.py` open. The code is running, and the terminal output shows the following menu:

```
what would you like the shops name to be?Coranation
1. Checkers
2. Shopright
3. Coranation
4. Default
Change shop name

Select a shop
1. Checkers
2. Shopright
3. Coranation
4. Default
0. to go back to main menu
select an option:4
what would you like the shops name to be?Pick N Pay
1. Checkers
2. Shopright
3. Coranation
4. Pick N Pay
Do you want to go back to start menu? (0) is yes (1) is Exit program:
```

The code in the editor is the same as in the previous screenshot. The terminal output shows the user interacting with the menu, selecting option 4, and then option 1, which results in the shop name being changed to "Pick N Pay".

## Change shop location menu

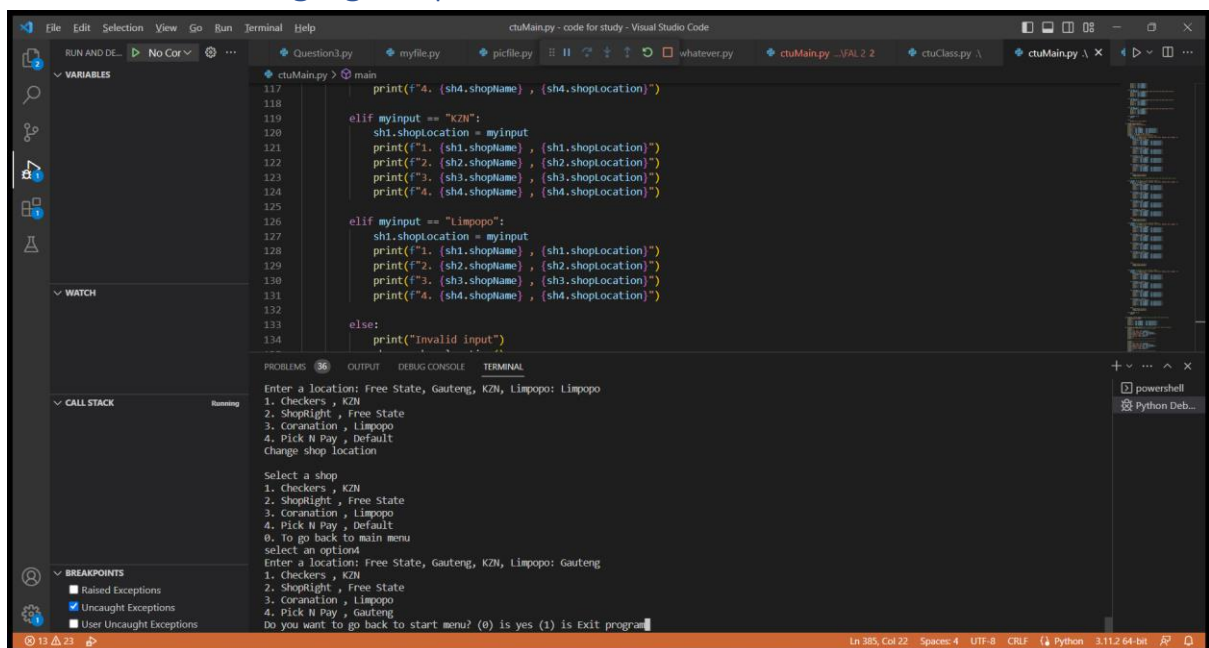


The screenshot shows the Visual Studio Code editor with a Python file named `ctuMain.py`. The code is running, and the terminal window displays the output of the program. The code defines a menu for changing shop locations, with options for different provinces (KZN, Limpopo) and a list of shops (Checkers, Shoprite, Coramotion, Pick N Pay). The terminal output shows the user selecting 'Limpopo' and then '1. Checkers, Default'.

```
117     print(f"4. {sh4.shopName} , {sh4.shopLocation}")
118
119     elif myinput == "KZN":
120         sh1.shopLocation = myinput
121         print(f"1. {sh1.shopName} , {sh1.shopLocation}")
122         print(f"2. {sh2.shopName} , {sh2.shopLocation}")
123         print(f"3. {sh3.shopName} , {sh3.shopLocation}")
124         print(f"4. {sh4.shopName} , {sh4.shopLocation}")
125
126     elif myinput == "Limpopo":
127         sh1.shopLocation = myinput
128         print(f"1. {sh1.shopName} , {sh1.shopLocation}")
129         print(f"2. {sh2.shopName} , {sh2.shopLocation}")
130         print(f"3. {sh3.shopName} , {sh3.shopLocation}")
131         print(f"4. {sh4.shopName} , {sh4.shopLocation}")
132
133     else:
134         print("Invalid input")
```

3. Returns  
99. Exit  
Select an option or 99 to exit  
Shop Management  
1. Change shop name  
2. Change shop location  
3. Display current shops  
4. Display all shops information  
0. Back  
select an option2  
Change shop location  
Select a shop  
1. Checkers , Default  
2. Shoprite , Default  
3. Coramotion , Default  
4. Pick N Pay , Default  
0. To go back to main menu  
select an option

## Menu after changing shop locations



The screenshot shows the Visual Studio Code editor with the same Python file `ctuMain.py`. The code is running, and the terminal window displays the output of the program. The code defines a menu for changing shop locations, with options for different provinces (KZN, Limpopo) and a list of shops (Checkers, Shoprite, Coramotion, Pick N Pay). The terminal output shows the user selecting 'Limpopo' and then '1. Checkers, Default'. The menu is now updated to reflect the changes.

```
117     print(f"4. {sh4.shopName} , {sh4.shopLocation}")
118
119     elif myinput == "KZN":
120         sh1.shopLocation = myinput
121         print(f"1. {sh1.shopName} , {sh1.shopLocation}")
122         print(f"2. {sh2.shopName} , {sh2.shopLocation}")
123         print(f"3. {sh3.shopName} , {sh3.shopLocation}")
124         print(f"4. {sh4.shopName} , {sh4.shopLocation}")
125
126     elif myinput == "Limpopo":
127         sh1.shopLocation = myinput
128         print(f"1. {sh1.shopName} , {sh1.shopLocation}")
129         print(f"2. {sh2.shopName} , {sh2.shopLocation}")
130         print(f"3. {sh3.shopName} , {sh3.shopLocation}")
131         print(f"4. {sh4.shopName} , {sh4.shopLocation}")
132
133     else:
134         print("Invalid input")
```

Enter a location: Free State, Gauteng, KZN, Limpopo: Limpopo  
1. Checkers , KZN  
2. Shoprite , Free State  
3. Coramotion , Limpopo  
4. Pick N Pay , Default  
Change shop location  
Select a shop  
1. Checkers , KZN  
2. Shoprite , Free State  
3. Coramotion , Limpopo  
4. Pick N Pay , Default  
0. To go back to main menu  
select an option4  
Enter a location: Free State, Gauteng, KZN, Limpopo: Gauteng  
1. Checkers , KZN  
2. Shoprite , Free State  
3. Coramotion , Limpopo  
4. Pick N Pay , Gauteng  
Do you want to go back to start menu? (0) is yes (1) is Exit program

## Shop sales menu

```
File Edit Selection View Go Run Terminal Help
ctuMain.py - code for study - Visual Studio Code

ctutMain.py > main
117     print(f"4. {sh4.shopName} , {sh4.shopLocation}")
118
119     elif myinput == "KZN":
120         sh1.shopLocation = myinput
121         print(f"1. {sh1.shopName} , {sh1.shopLocation}")
122         print(f"2. {sh2.shopName} , {sh2.shopLocation}")
123         print(f"3. {sh3.shopName} , {sh3.shopLocation}")
124         print(f"4. {sh4.shopName} , {sh4.shopLocation}")
125
126     elif myinput == "Limpopo":
127         sh1.shopLocation = myinput
128         print(f"1. {sh1.shopName} , {sh1.shopLocation}")
129         print(f"2. {sh2.shopName} , {sh2.shopLocation}")
130         print(f"3. {sh3.shopName} , {sh3.shopLocation}")
131         print(f"4. {sh4.shopName} , {sh4.shopLocation}")
132
133     else:
134         print("Invalid input")

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Do you want to go back to start menu? (0) is yes (1) is Exit program
Welcome to CTU Technologies

1. Shop Management
2. Sales
3. Returns
99. Exit
Select an option or 99 to exit2
Shop 1 Name: Checkers
Sales: 0

Shop 2 Name: ShopRight
Sales: 0

Shop 3 Name: Coranation
Sales: 0

Shop 4 Name: Pick N Pay
Sales: 0
select (0) to go back to main menu or (1) to end program
```

## Display all info menu

```
File Edit Selection View Go Run Terminal Help
ctuMain.py - code for study - Visual Studio Code

ctutMain.py > main
117     print(f"4. {sh4.shopName} , {sh4.shopLocation}")
118

select an option4
-----

Shop Name: Checkers
Shop Location: KZN
Number of customers: 0
Current Sales: 0
Returns: 0
-----

Shop Name: ShopRight
Shop Location: Free State
Number of customers: 0
Current Sales: 0
Returns: 0
-----

Shop Name: Coranation
Shop Location: Limpopo
Number of customers: 0
Current Sales: 0
Returns: 0
-----

Shop Name: Pick N Pay
Shop Location: Gauteng
Number of customers: 0
Current Sales: 0
Returns: 0
-----
Do you want to go back to start menu? (0) is yes (1) is Exit program
```