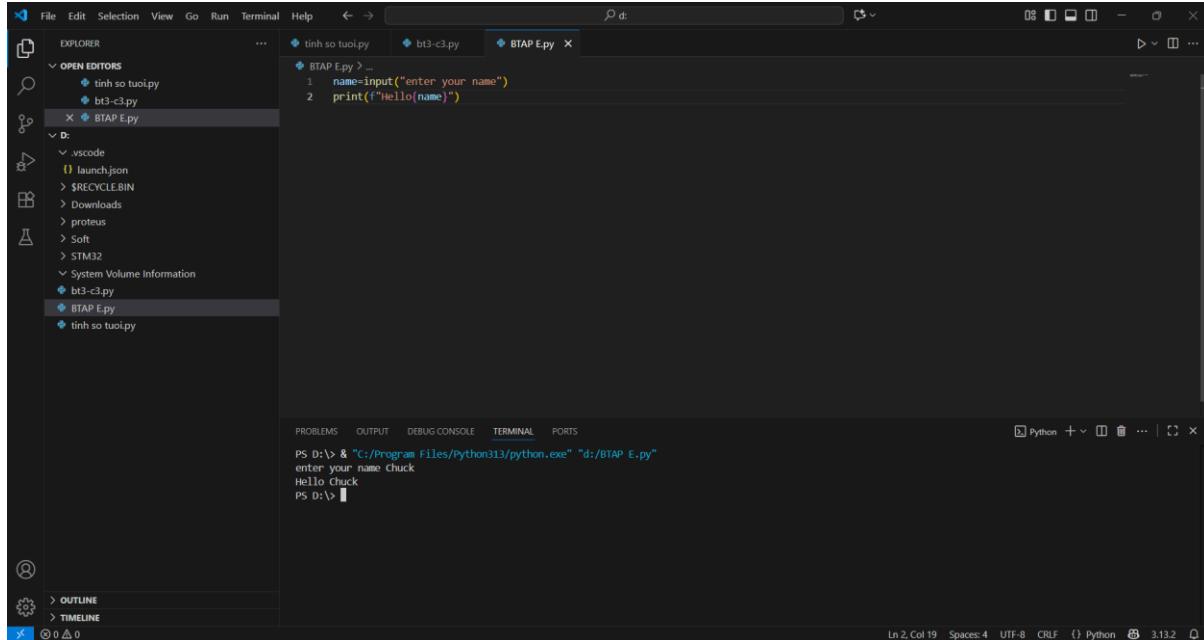


BAI TAP CHUONG 2

Exercise 2: Write a program that uses input to prompt a user for their name and then welcomes them. Enter your name: Chuck Hello Chuck



```
File Edit Selection View Go Run Terminal Help ⌘ d: tinh so tuoi.py bt3-c3.py BTAP E.py

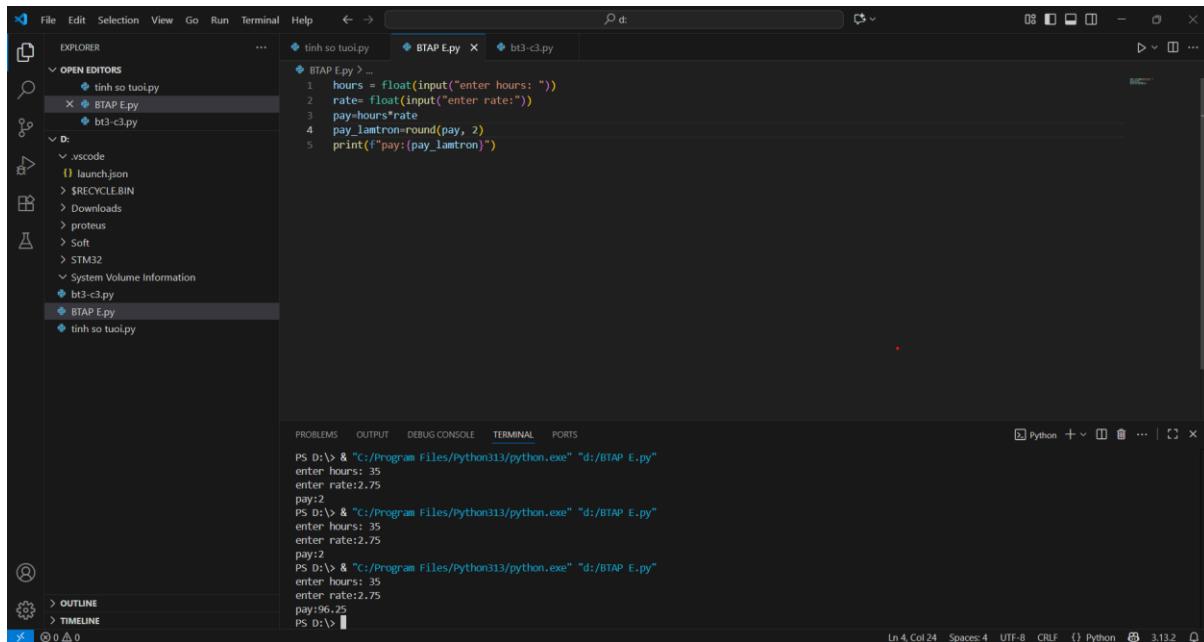
OPEN EDITORS
tinh so tuoi.py
bt3-c3.py
BTAP E.py

D:
.vscode
launch.json
$RECYCLE.BIN
Downloads
proteus
Soft
STM32
System Volume Information
bt3-c3.py
BTAP E.py
tinh so tuoi.py

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS D:\> & "C:/Program Files/Python313/python.exe" "d:/BTAP E.py"
enter your name Chuck
Hello Chuck
PS D:\>

OUTLINE
TIMELINE
0 3.13.2
```

Exercise 3: Write a program to prompt the user for hours and rate per hour to compute gross pay. Enter Hours: 35 Enter Rate: 2.75 Pay: 96.25 We won't worry about making sure our pay has exactly two digits after the decimal place for now. If you want, you can play with the built-in Python round function to properly round the resulting pay to two decimal places



```
File Edit Selection View Go Run Terminal Help ⌘ d: tinh so tuoi.py BTAP E.py bt3-c3.py

OPEN EDITORS
tinh so tuoi.py
BTAP E.py
bt3-c3.py

D:
.vscode
launch.json
$RECYCLE.BIN
Downloads
proteus
Soft
STM32
System Volume Information
bt3-c3.py
BTAP E.py
tinh so tuoi.py

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS D:\> & "C:/Program Files/Python313/python.exe" "d:/BTAP E.py"
enter hours: 35
enter rate:2.75
pay:96.25
PS D:\> & "C:/Program Files/Python313/python.exe" "d:/BTAP E.py"
enter hours: 35
enter rate:2.75
pay:96.25
PS D:\> & "C:/Program Files/Python313/python.exe" "d:/BTAP E.py"
enter hours: 35
enter rate:2.75
pay:96.25
PS D:\>
```

Exercise 4: Assume that we execute the following assignment statements: width = 17 height = 12.0 For each of the following expressions, write the value of the expression and the type (of the value of the expression). 1. width//2 2. width/2.0 3. height/3 4. 1 + 2 * 5 Use the Python interpreter to check your answers.

The screenshot shows the VS Code interface with a dark theme. The left sidebar displays the file structure under 'OPEN EDITORS' and 'D:\'. The main editor window contains the following Python code:

```
tinh so tuoi.py BTAP_E.py bt3-c3.py
BTAP_E.py ...
1 width=17
2 height=12.0
3 A=width//2
4 print(A)
5 print(type(A))
6 B=width/2.0
7 print(B)
8 print(type(B))
9 C=height/3
10 print(C)
11 print(type(C))
12 D=A+C
13 print(D)
14 print(type(D))
```

The terminal below shows the output of running the script:

```
PS D:\> & "C:/Program Files/Python313/python.exe" "d:/BTAP_E.py"
8
<class 'int'>
8.5
<class 'float'>
4.0
<class 'float'>
11
<class 'int'>
PS D:\>
```

Bottom status bar: Ln 14, Col 15 Spaces: 4 UTF-8 CRLF {} Python 3.13.2

Exercise 5: Write a program which prompts the user for a Celsius temperature, convert the temperature to Fahrenheit, and print out the converted temperature.

The screenshot shows the VS Code interface with a dark theme. The left sidebar displays the file structure under 'OPEN EDITORS' and 'D:\'. The main editor window contains the following Python code:

```
tinh so tuoi.py BTAP_E.py bt3-c3.py
BTAP_E.py ...
1 Celsius=float(input("enter celsius (°C):"))
2 Fahrenheit=Celsius*1.8+32
3 print(Fahrenheit)
4 print("Fahrenheit:{Fahrenheit}({°F})")
5
```

The terminal below shows the output of running the script:

```
PS D:\> & "C:/Program Files/Python313/python.exe" "d:/BTAP_E.py"
enter celsius ("C"):
80.6
Fahrenheit:80.6({°F})
PS D:\>
```

Bottom status bar: Ln 4, Col 33 Spaces: 4 UTF-8 CRLF {} Python 3.13.2