

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 file explorer on the left and a code editor in the center. The file explorer shows a project named 'BTAP E.py' with files 'tinhsao.py', 'BTAP E.py', and 'bt3-c3.py'. The code editor shows the following Python code:

```
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=1+2*5
13 print(D)
14 print(type(D))
```

The terminal at the bottom shows the command to run the script and its output:

```
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:\>
```

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 file explorer on the left and a code editor in the center. The file explorer shows a project named 'BTAP E.py' with files 'tinhsao.py', 'BTAP E.py', and 'bt3-c3.py'. The code editor shows the following Python code:

```
1 Celsius=float(input("enter celsius (°C):" ))
2 Fahrenheit=Celsius*1.8+32
3 print(Fahrenheit)
4 print(f"Fahrenheit:{Fahrenheit}(°r)")
5
```

The terminal at the bottom shows the command to run the script and its output:

```
PS D:\> & "C:/Program Files/Python313/python.exe" "d:/BTAP E.py"
enter celsius (°C):27
80.6
Fahrenheit:80.6(°r)
PS D:\>
```