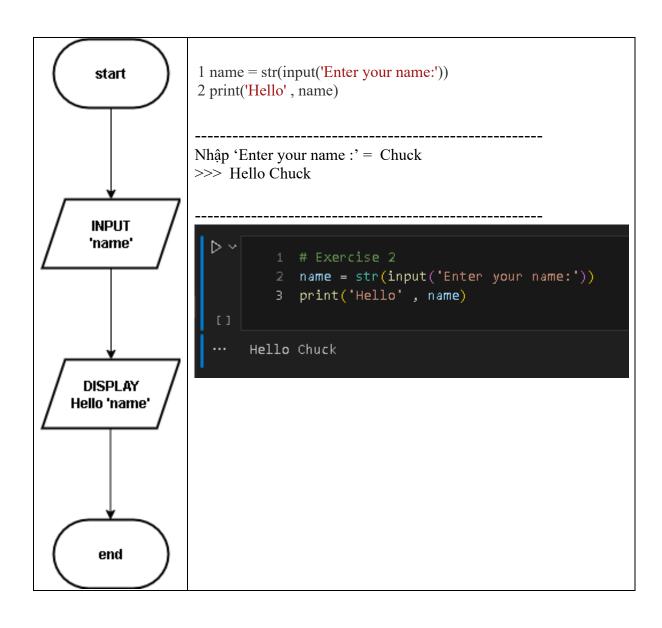
Github: NTTD-060206000031/BT02/BT02.

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



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

```
1 Hours = int(input('Enter Hours:'))
                    2 Rate = float(input('Enter Rate:'))
                    3 Pay = Hours * Rate
                    4 print('Enter Hours:', Hours)
     Start
                    5 print('Enter Rate:', Rate)
                    6 print('Pay:', Pay)
    INPUT
                    Nhập 'Enter Hours:' = 35
   hours, rate
                    Nhập 'Enter Rate:' = 2.75
                    Pay = Hours * Rate = 35 * 2.75 = 96.25
                    >>> Enter Hours: 35
                    >>> Enter Rate: 2.75
                    >>> Pay: 96.25
Pay = hours * rate
                              1 # Exercise 3
                              2 Hours = int(input('Enter Hours:'))
                                 Rate = float(input('Enter Rate:'))
   DISPLAY
                                 Pay = Hours * Rate
hours, rate and Pay
                                 print('Enter Hours:' , Hours)
                              6 print('Enter Rate:', Rate)
                                 print('Pay:', Pay)

√ 4.3s

                          Enter Hours: 35
      End
                          Enter Rate: 2.75
                           Pay: 96.25
```

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/ $\frac{2}{2}$.
- 2. width/2.0
- 3. 3. height/3
- 4. 4.1 + 2 * 5

```
1 width = 17
                          2 height = 12.0
     Start
                          3 a = width//2
                          4 print('a. value =', a, ';', 'type =', type(a), '\n\n')
                          5 b = width/2.0
                          6 print('b. value =' , b , ';' , 'type =' , type(b) , '\n\n')
                          7 c = height/3
                          8 print('c. value =', c, ';', 'type =', type(c), '\n\n')
      Set
                          9 d = 1 + 2 * 5
 width = 17
                          10 print('d. value =' , d , ';' , 'type =' , type(d) , '\n\n')
height = 12.0
 a = width//2
b = width/2.0
c = height/3
 d = 1 + 2 * 5
                                8 print('a. value =' , a , ';' , 'type =' , type(a) , '\n\n')
9 # 2. width/2.0 (phép chia)
10 b = width/2.0
                                14 print('c. value =' , c , ';' , 'type =' , type(c) , '\n\n')
15 # 4. 1 + 2 * 5 (* / trước + - sau)
 DISPLAY
value and type
    a;b;c;d
     End
```

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

