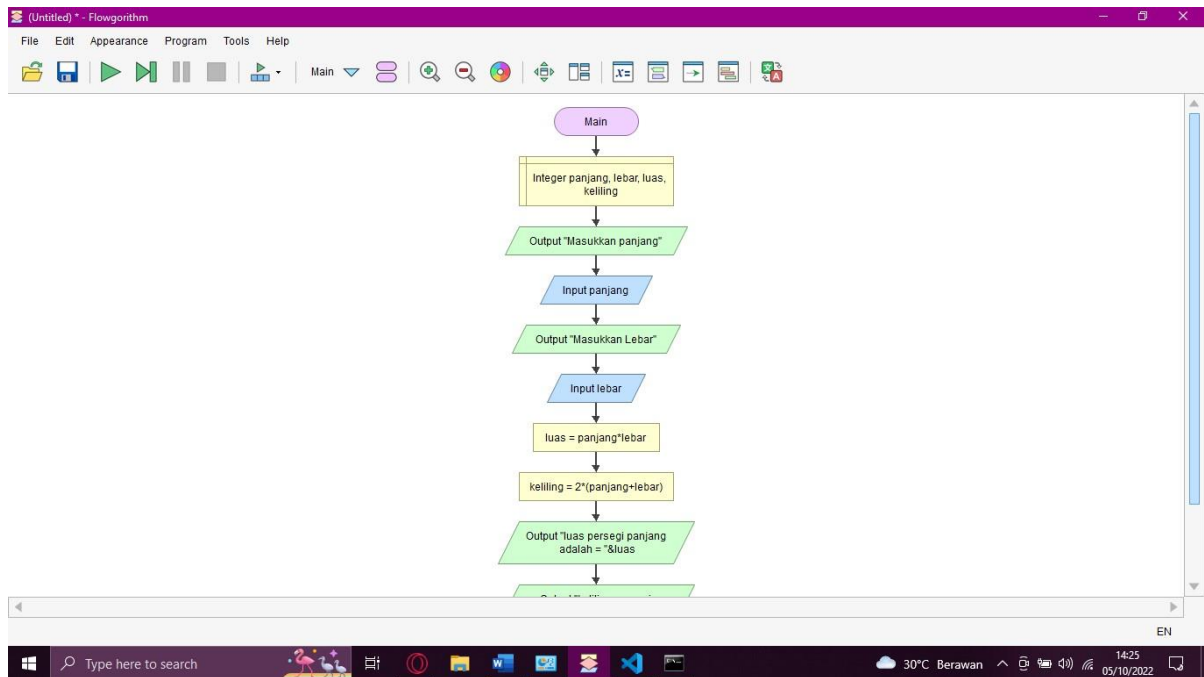


NAMA : Maulana Helmi Akbar

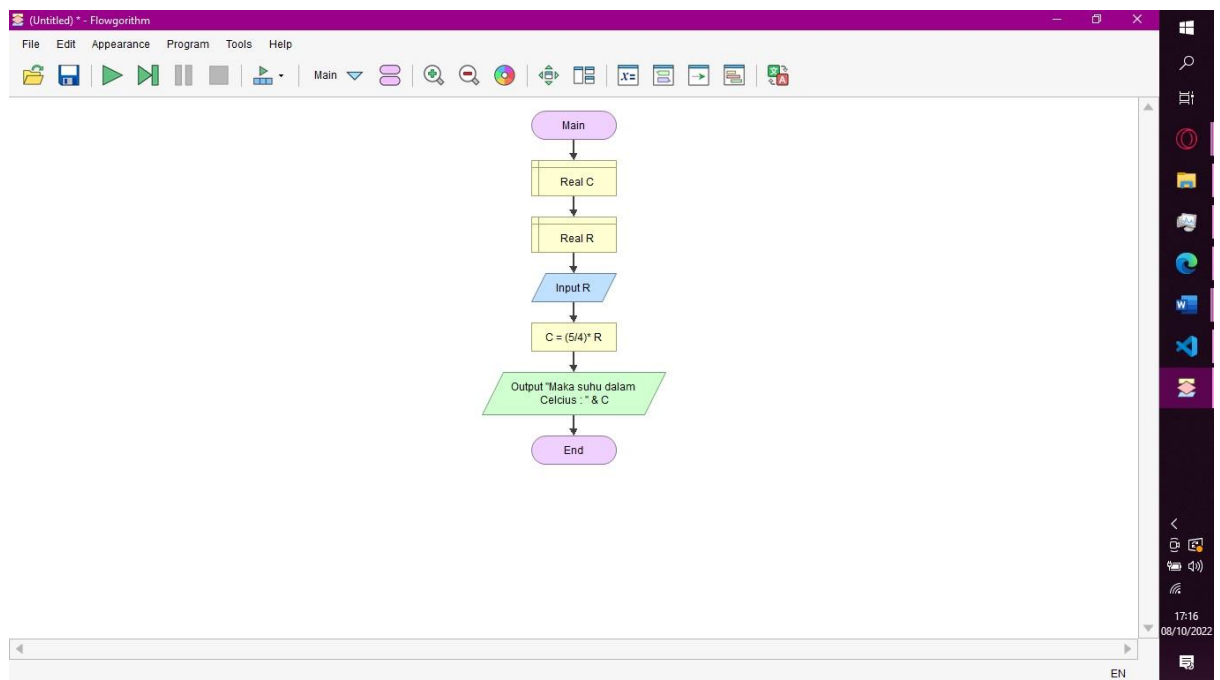
NIM : 19.01.013.099

## 1). Flowchart menghitung Keliling dan Luas Persegi Panjang

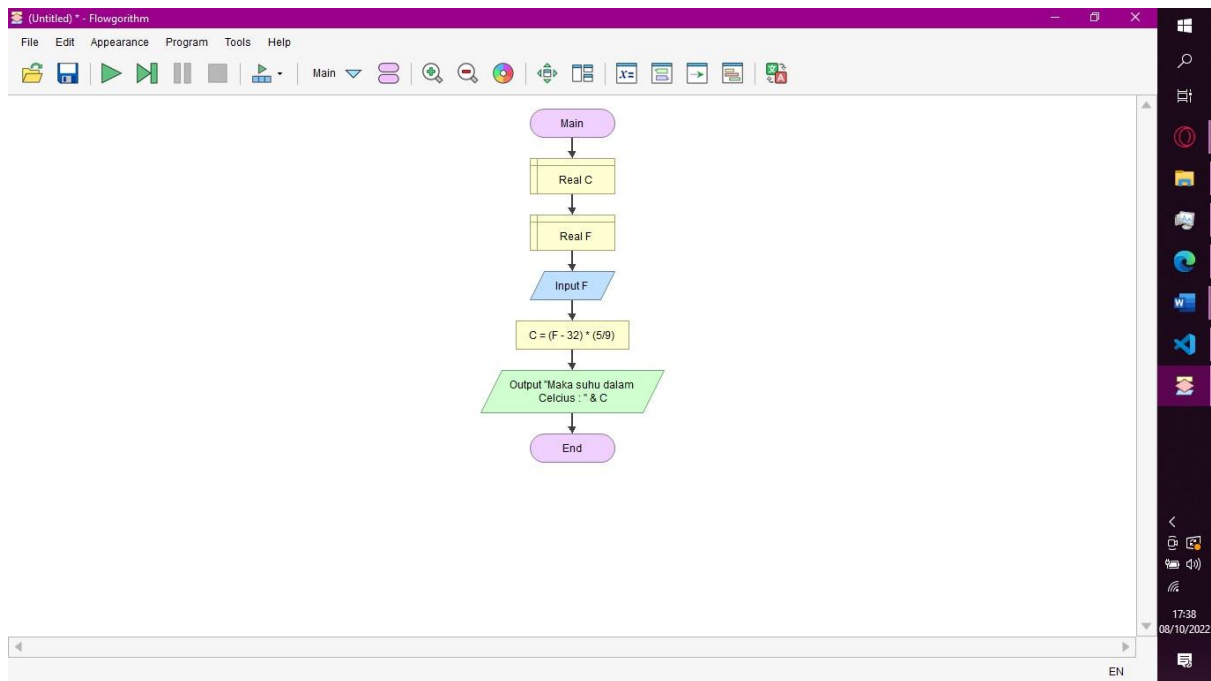


## 2). Flowchart Conversi Suhu

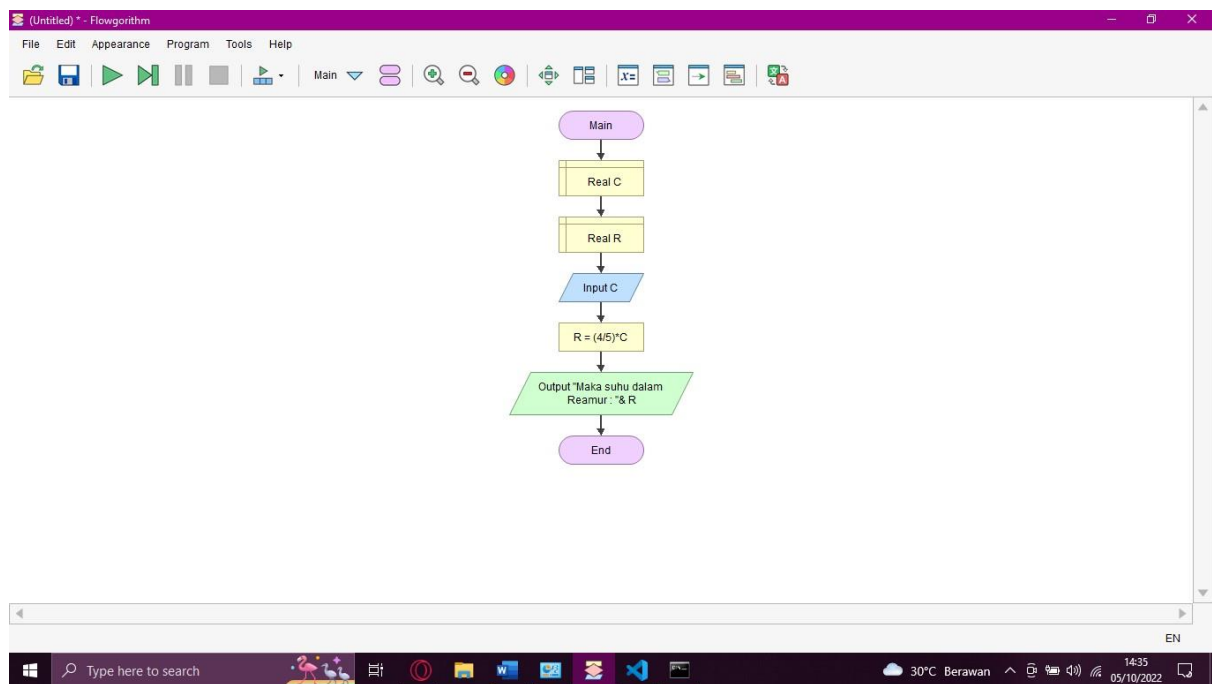
### a. Reamur ke Celcius



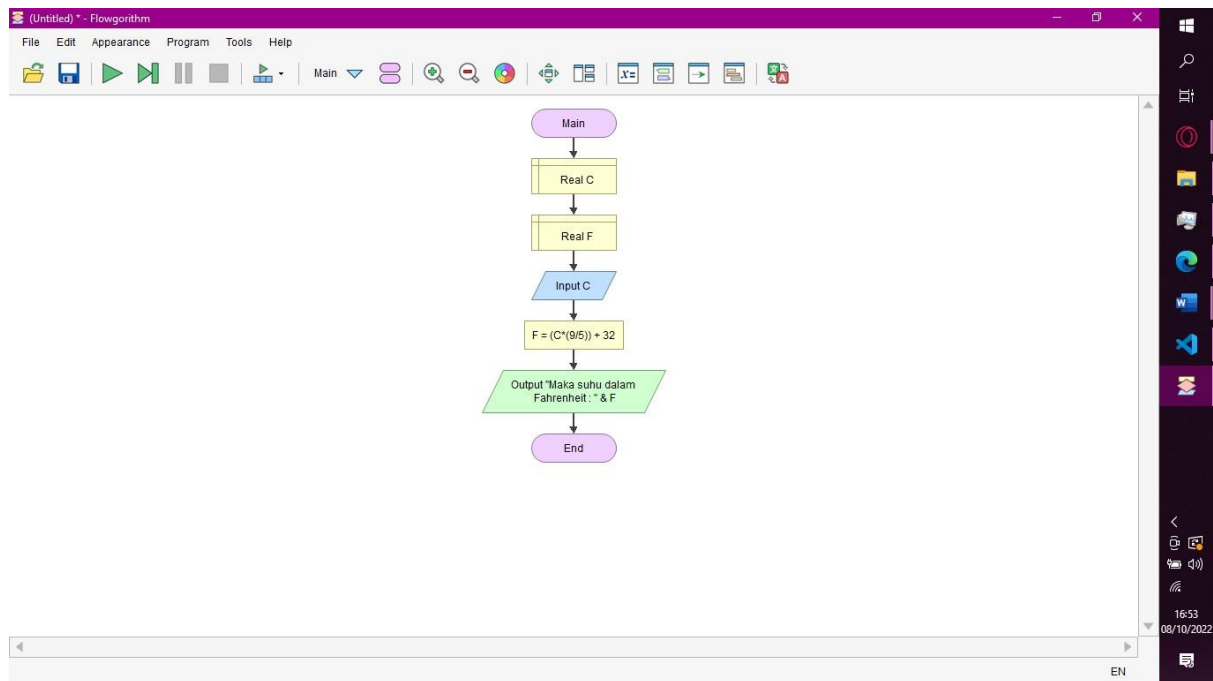
## b. Fahrenheit ke Celcius



## c. Celcius ke Reamur



#### d. Celcius ke Fahrenheit



### VISUAL STUDIO CODE

#### a. Menghitung Keliling dan Luas Persegi Panjang

```
1 panjang=int(input("Masukkan Panjang ="))
2 lebar=int(input("Masukkan Lebar = "))
3 luas=panjang*lebar
4 keliling=2*(panjang+lebar)
5 print("Luas persegi panjang adalah ",luas)
6 print("Keliling persegi panjang adalah ",keliling)
7
```

The screenshot shows the Visual Studio Code editor with a Python script named 'persegi.py'. The script prompts the user for the length and width of a rectangle, calculates the area and perimeter, and prints the results. The terminal window at the bottom shows the execution of the script with the following output:

```
PS E:\> & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'C:\Users\Drexed\.vscode\extensions\ms-python.python-2022.14.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11736' '-' 'e:\persegi.py'
Masukkan Panjang =10
Masukkan Lebar = 6
Luas persegi panjang adalah 60
Keliling persegi panjang adalah 32
PS E:\>
```

## b. Reamur ke Celcius

The screenshot shows the Visual Studio Code interface with a Python file named `ream.py` open. The code in the editor is as follows:

```
1 r=float(input("Masukkan suhu dalam reamur = "))
2 c=(5/4)*r
3 print("Maka suhu dalam celcius = ", c)
```

The terminal window at the bottom shows the execution of the script. The user has entered `ream.py` at the prompt, and the script has executed successfully, displaying the output: `Maka suhu dalam celcius = 40.0`.

```
PS E:\> & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python.python-2022.14.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11736' '--' 'e:\persegi.py'
Masukkan Panjang =10
Masukkan Lebar = 6
Luas persegi panjang adalah 60
Keliling persegi panjang adalah 32
PS E:\> e;; cd 'e:\'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python.python-2022.14.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11744' '--' 'e:\ream.py'
Masukkan suhu dalam reamur = 32
Maka suhu dalam celcius = 40.0
PS E:\>
```

## c. Fahrenheit ke Celcius

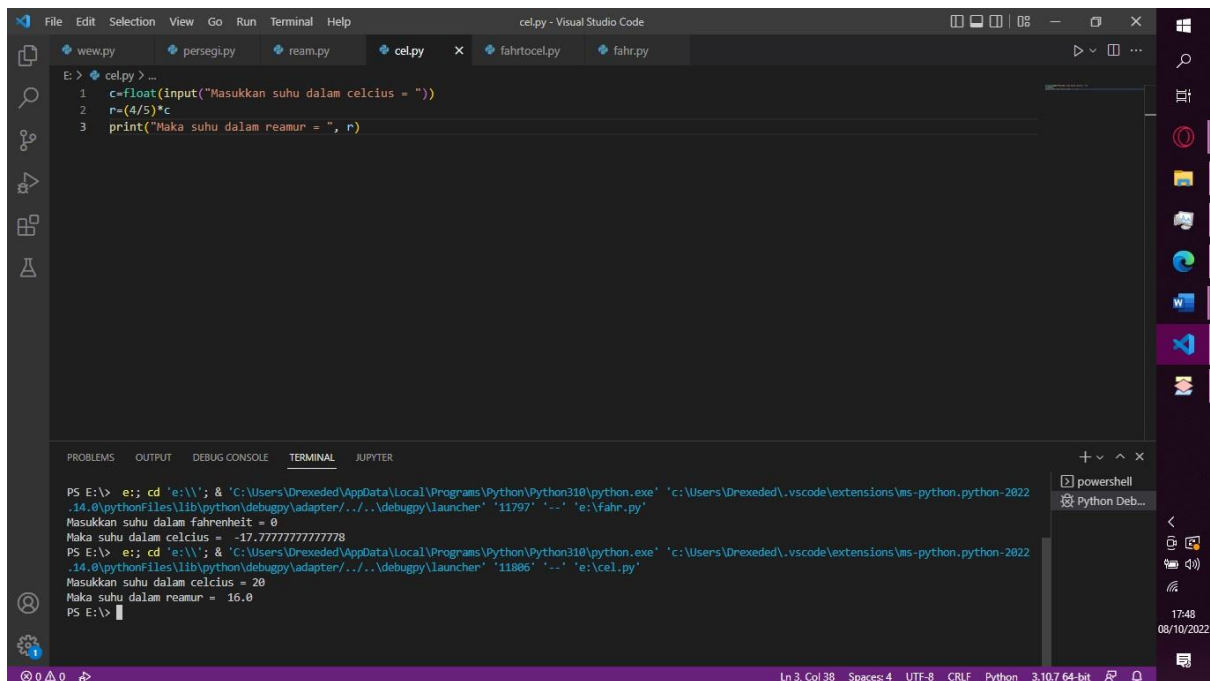
The screenshot shows the Visual Studio Code interface with a Python file named `fahr.py` open. The code in the editor is as follows:

```
1 f=float(input("Masukkan suhu dalam fahrenheit = "))
2 c=(f-32)*(5/9)
3 print("Maka suhu dalam celcius = ", c)
```

The terminal window at the bottom shows the execution of the script. The user has entered `fahr.py` at the prompt, and the script has executed successfully, displaying the output: `Maka suhu dalam celcius = -17.77777777777778`.

```
PS E:\> e;; cd 'e:\'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python.python-2022.14.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11797' '--' 'e:\Fahr.py'
Masukkan suhu dalam fahrenheit = 0
Maka suhu dalam celcius = -17.77777777777778
PS E:\>
```

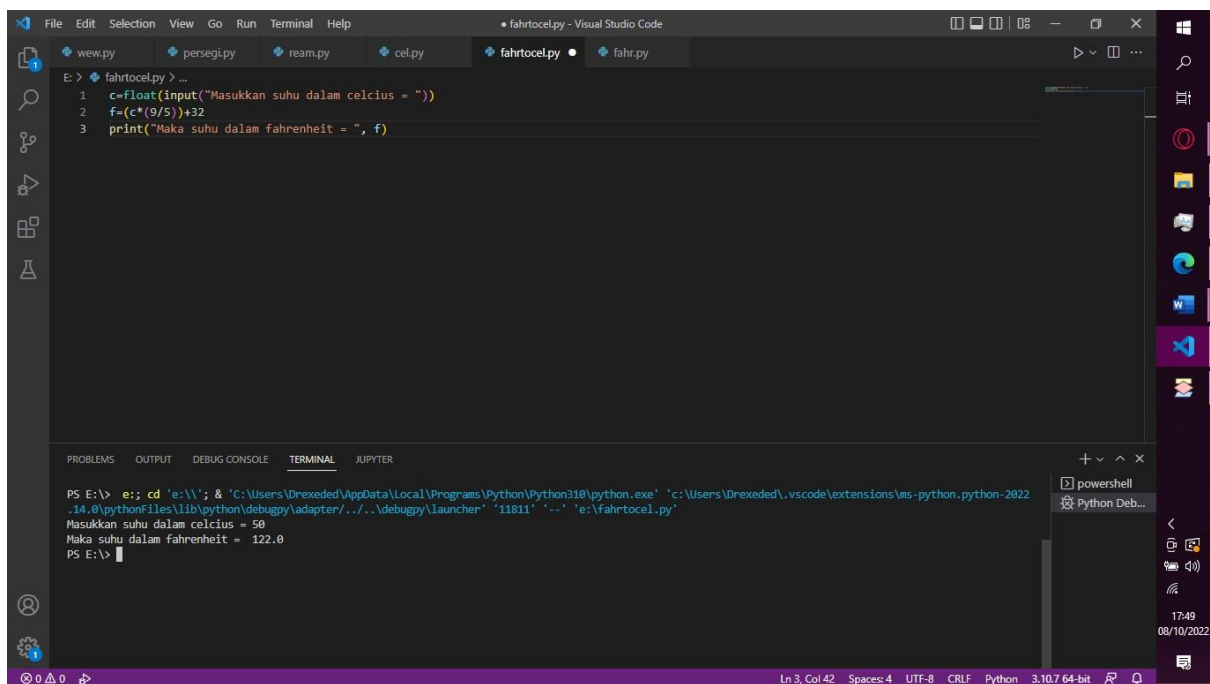
#### d. Celcius ke Reamur



```
File Edit Selection View Go Run Terminal Help
cel.py - Visual Studio Code
wew.py persegi.py ream.py cel.py fahrtocel.py fahr.py
E> cel.py > ...
1 c=float(input("Masukkan suhu dalam celcius = "))
2 r=(4/5)*c
3 print("Maka suhu dalam reamur = ", r)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
PS E:\> e;; cd 'e:\'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python.python-2022.14.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11797' '-...' 'e:\fahr.py'
Masukkan suhu dalam fahrenheit = 0
Maka suhu dalam celcius = -17.77777777777778
PS E:\> e;; cd 'e:\'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python.python-2022.14.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11806' '-...' 'e:\cel.py'
Masukkan suhu dalam celcius = 20
Maka suhu dalam reamur = 16.0
PS E:\>
```

#### e. Celcius ke Fahrenheit



```
File Edit Selection View Go Run Terminal Help
fahrtocel.py - Visual Studio Code
wew.py persegi.py ream.py cel.py fahrtocel.py fahr.py
E> fahrtocel.py > ...
1 c=float(input("Masukkan suhu dalam celcius = "))
2 f=(c*(9/5))+32
3 print("Maka suhu dalam fahrenheit = ", f)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
PS E:\> e;; cd 'e:\'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python.python-2022.14.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11811' '-...' 'e:\fahrtocel.py'
Masukkan suhu dalam celcius = 50
Maka suhu dalam fahrenheit = 122.0
PS E:\>
```