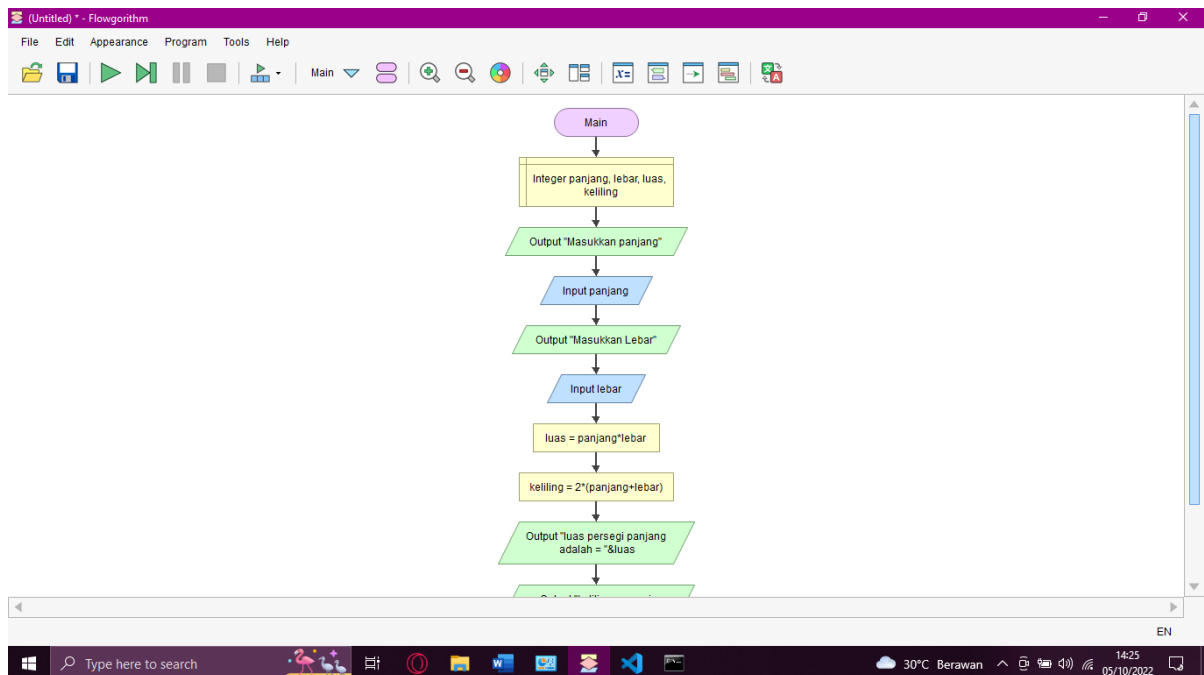


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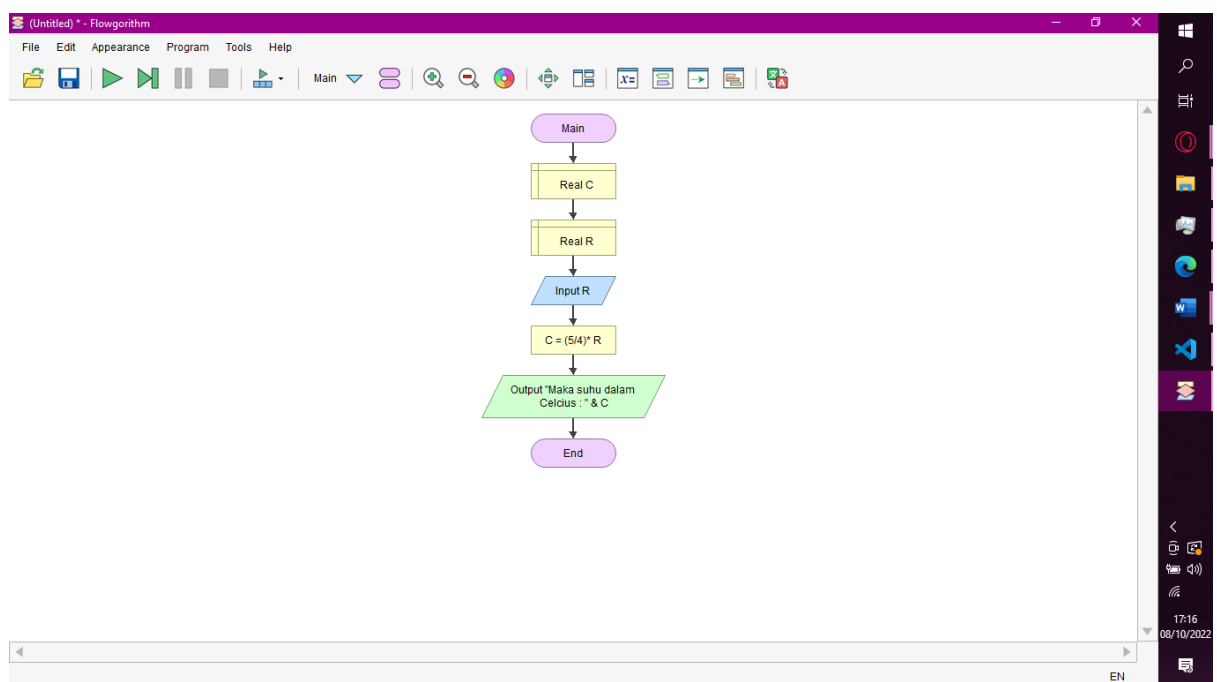
TUGAS INDIVIDU III

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

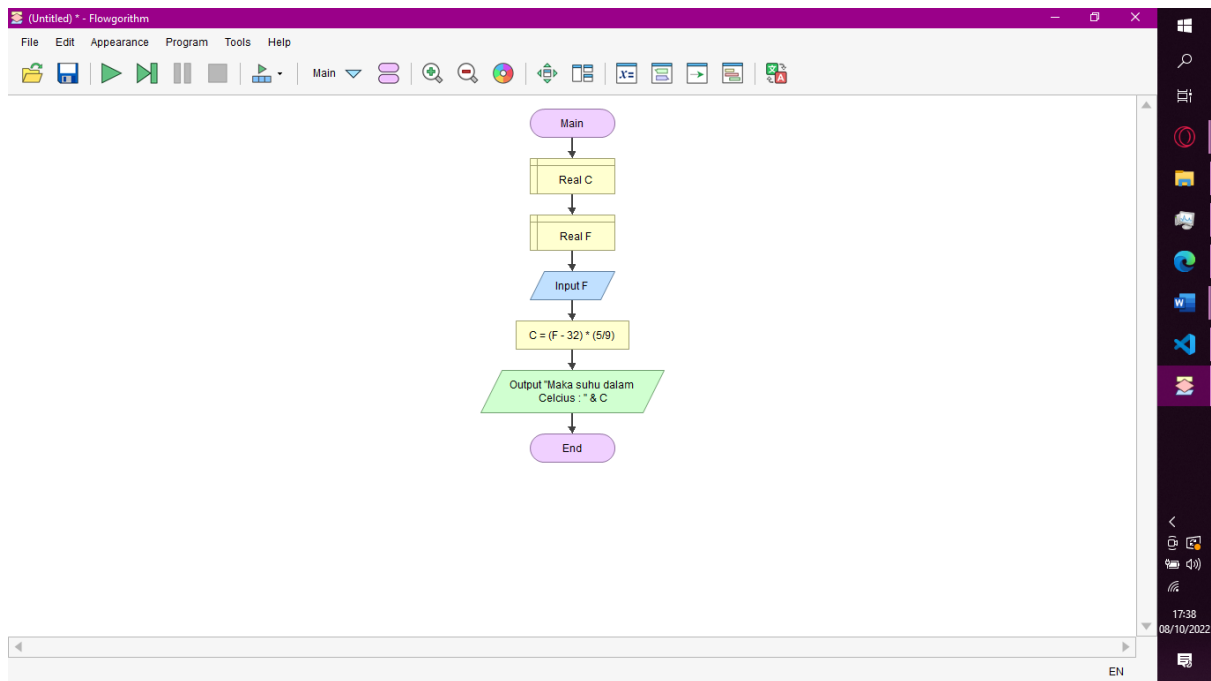


## 2). Flowchart Conversi Suhu

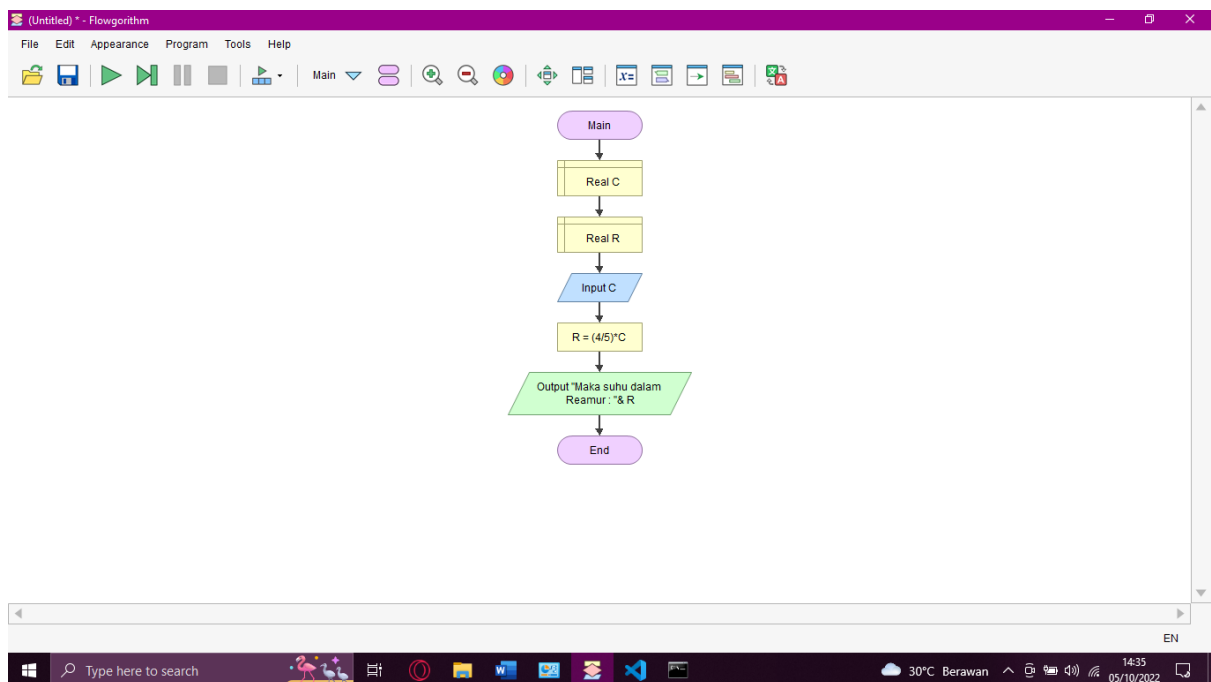
### a. Reamur ke Celcius



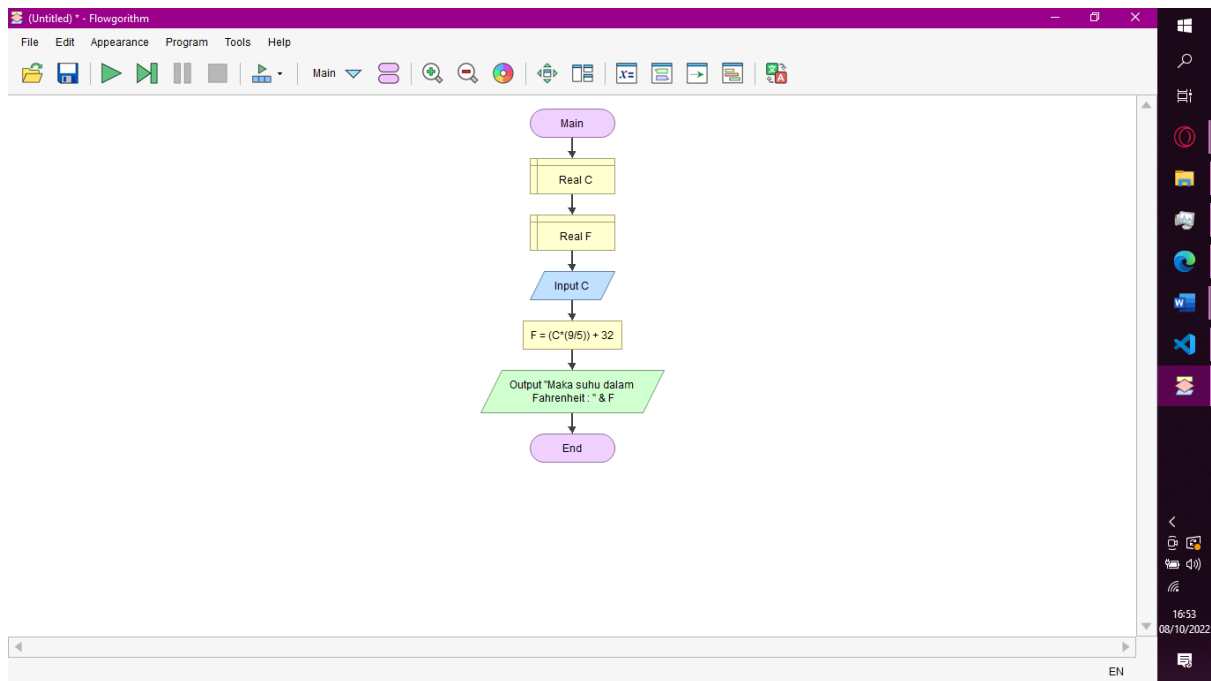
## b. Fahrenheit ke Celcius



## c. Celcius ke Reamur



#### d. Celcius ke Fahrenheit



#### VISUAL STUDIO CODE

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

```
File Edit Selection View Go Run Terminal Help
• persegi.py - Visual Studio Code
persegipy
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
```

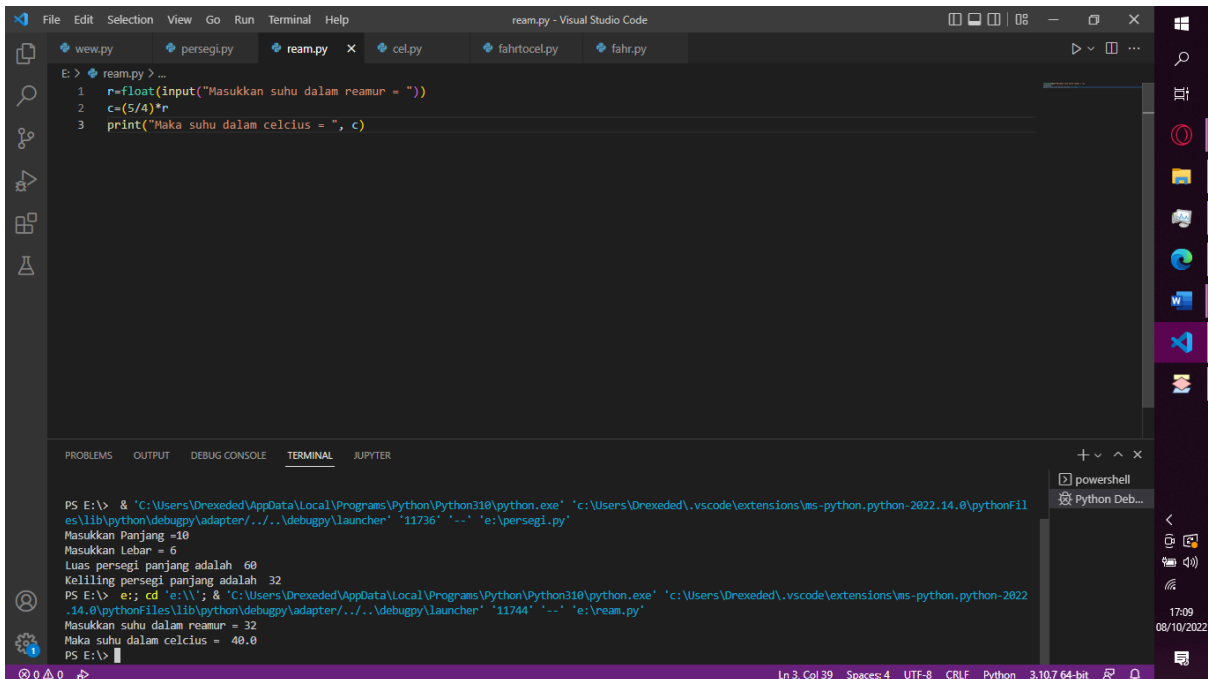
The screenshot shows the Visual Studio Code editor with a Python script named 'persegipy'. The code prompts the user for the length and width of a rectangle, calculates the area and perimeter, and prints the results. The terminal window at the bottom shows the execution of the script, with the following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

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS E:\> & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python.python-2022.14.0\pythonf11es\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11736' '--' 'e:\persegipy'
Masukkan Panjang =10
Masukkan Lebar = 6
Luas persegi panjang adalah 60
Keliling persegi panjang adalah 32
PS E:\>
```

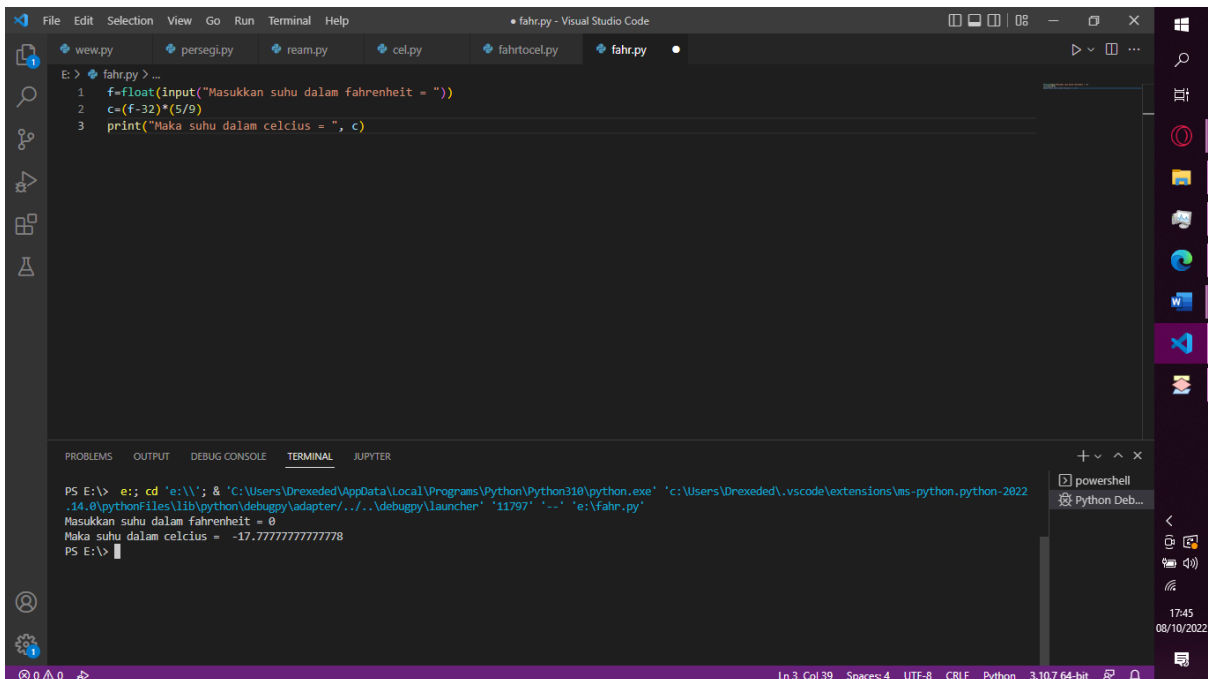
## b. Reamur ke Celcius



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

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
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:\>
```

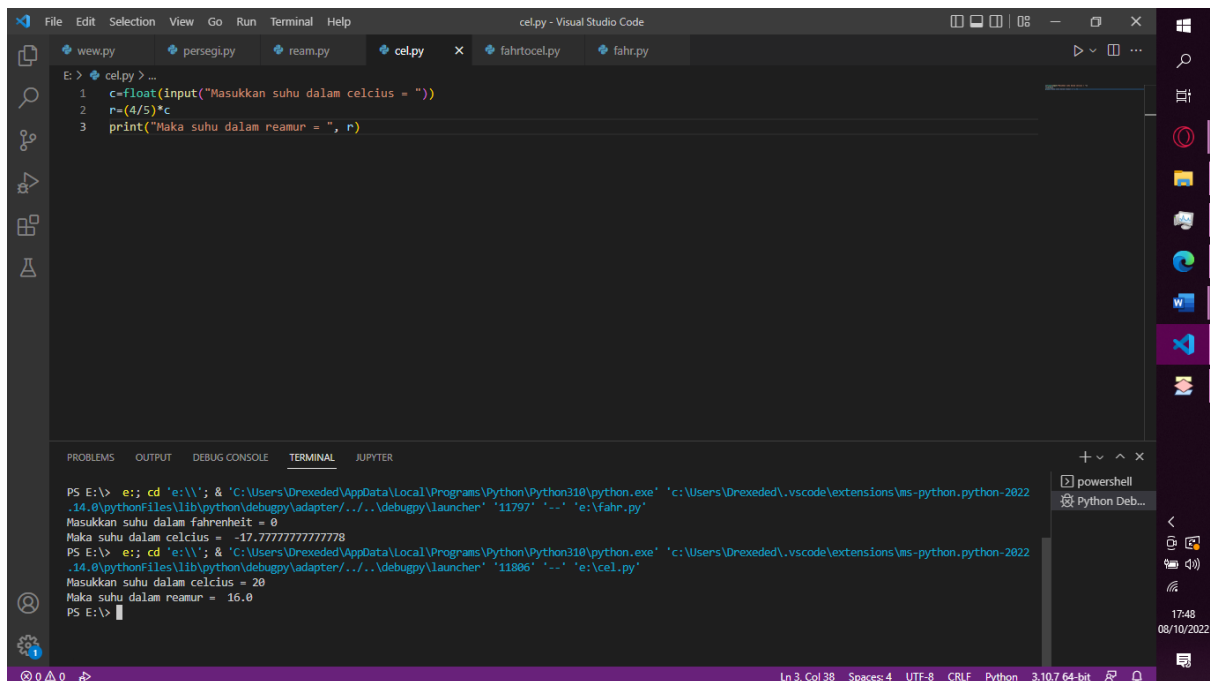
## c. Fahrenheit ke Celcius



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

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:\>
```

#### d. Celcius ke Reamur



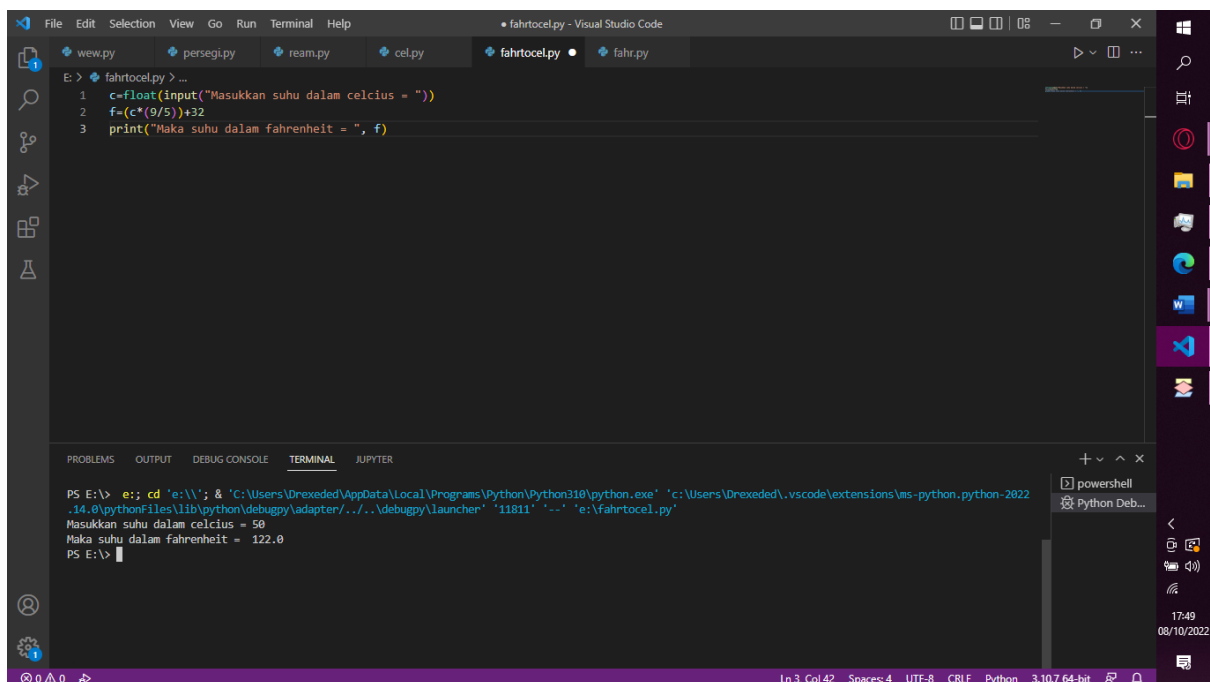
The screenshot shows the Visual Studio Code editor with a file named `cel.py` open. The code in the editor is as follows:

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

The terminal at the bottom shows the execution of the script. The user enters 0 for the Celsius temperature, and the program outputs 0 for the Reamur temperature. The user then enters 20 for the Celsius temperature, and the program outputs 16.0 for the Reamur temperature.

```
PS E:\> .\cel.py
Masukkan suhu dalam fahrenheit = 0
Maka suhu dalam celcius = -17.77777777777778
PS E:\> .\cel.py
Masukkan suhu dalam fahrenheit = 20
Maka suhu dalam celcius = 16.0
PS E:\>
```

#### e. Celcius ke Fahrenheit



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

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

The terminal at the bottom shows the execution of the script. The user enters 50 for the Celsius temperature, and the program outputs 122.0 for the Fahrenheit temperature.

```
PS E:\> .\fahrtocel.py
Masukkan suhu dalam fahrenheit = 50
Maka suhu dalam celcius = 122.0
PS E:\>
```