

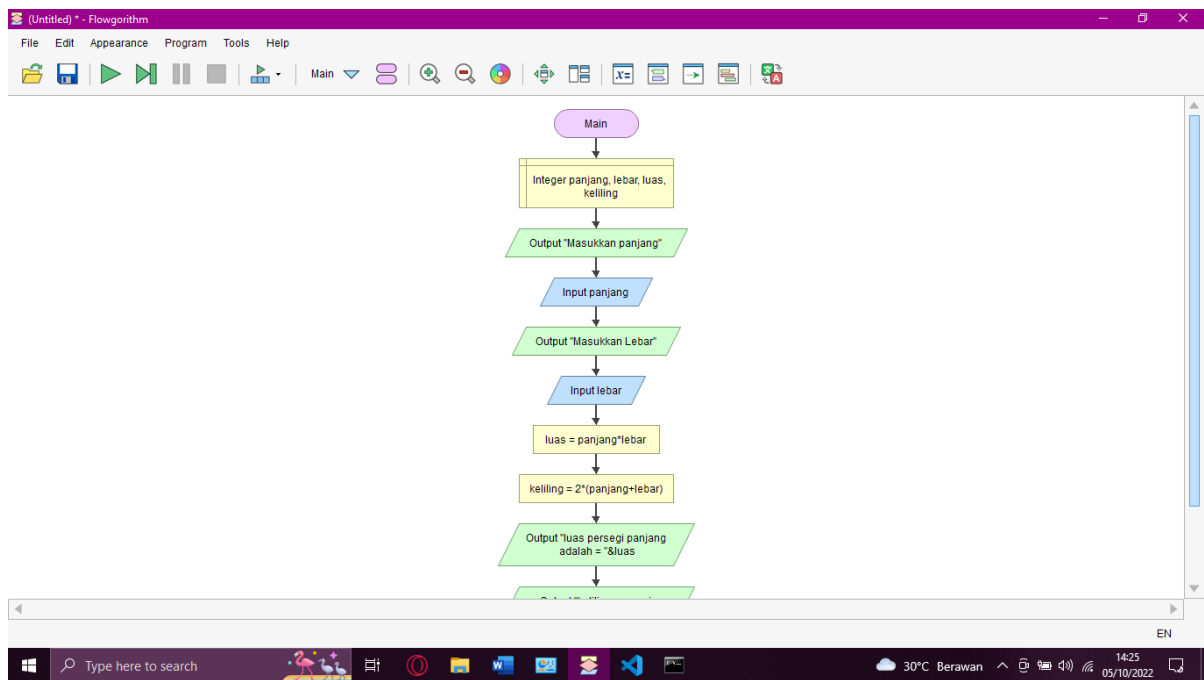
Nama : Muhammad Baharun

Kelas : Pemrograman Python

NIM : 19.01.013.087

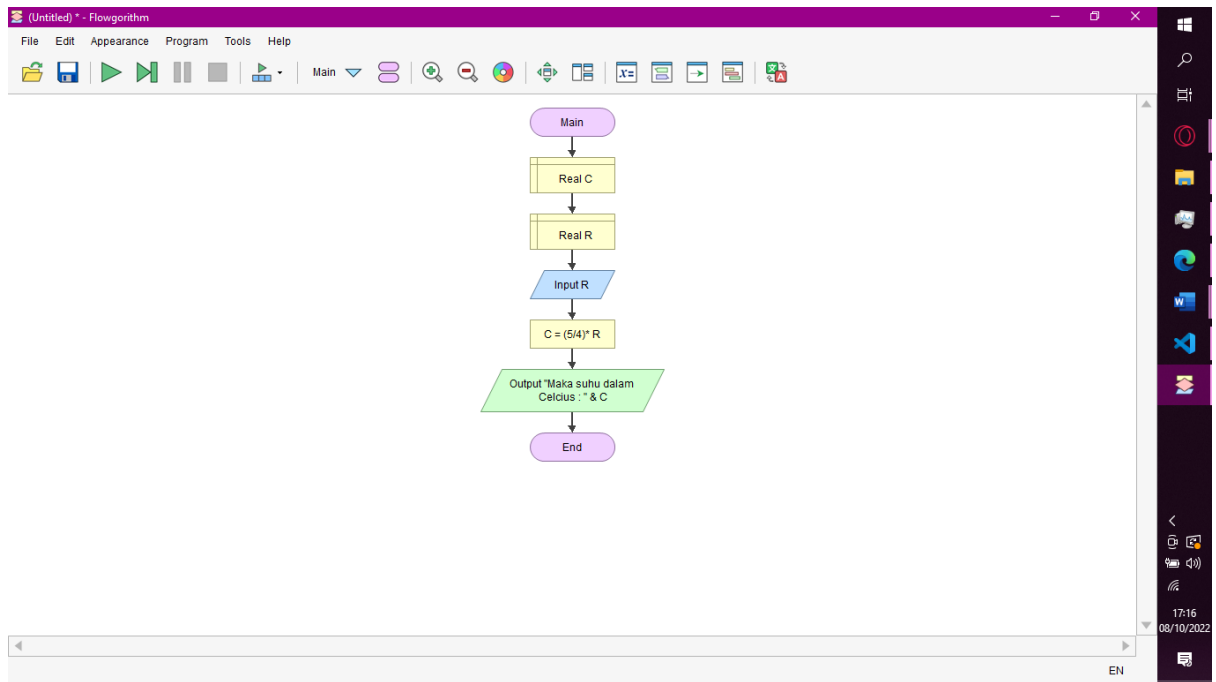
Tugas : Individu 3

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

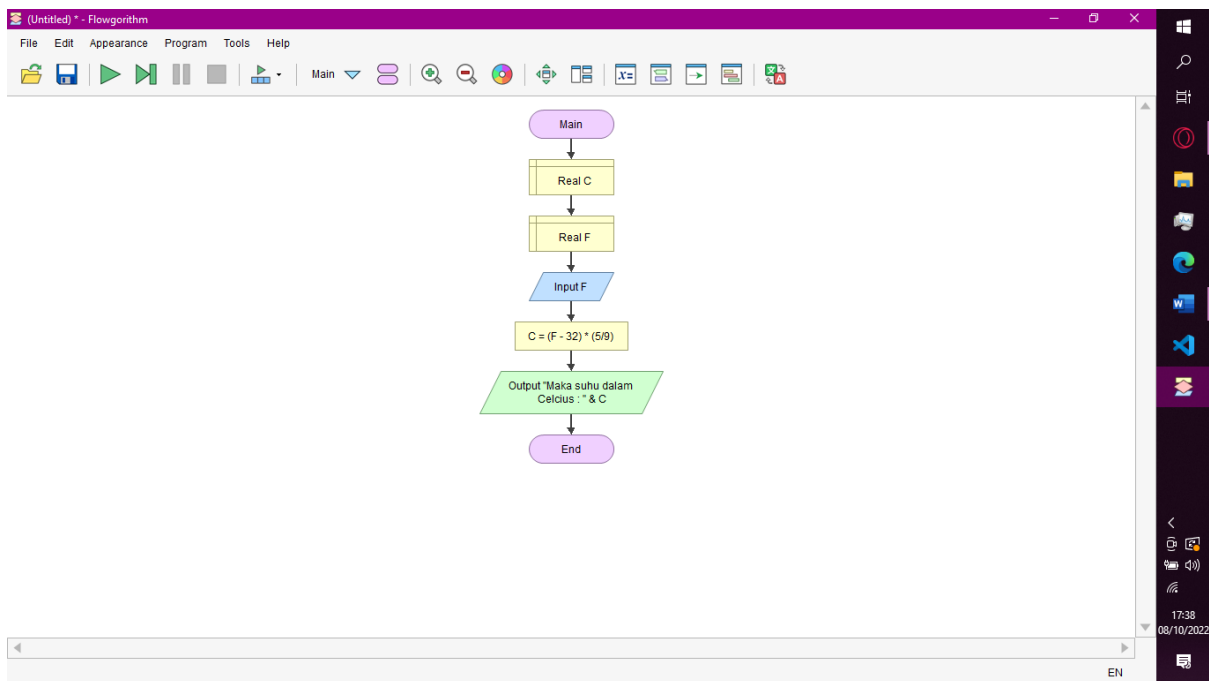


## 2). Flowchart Conversi Suhu

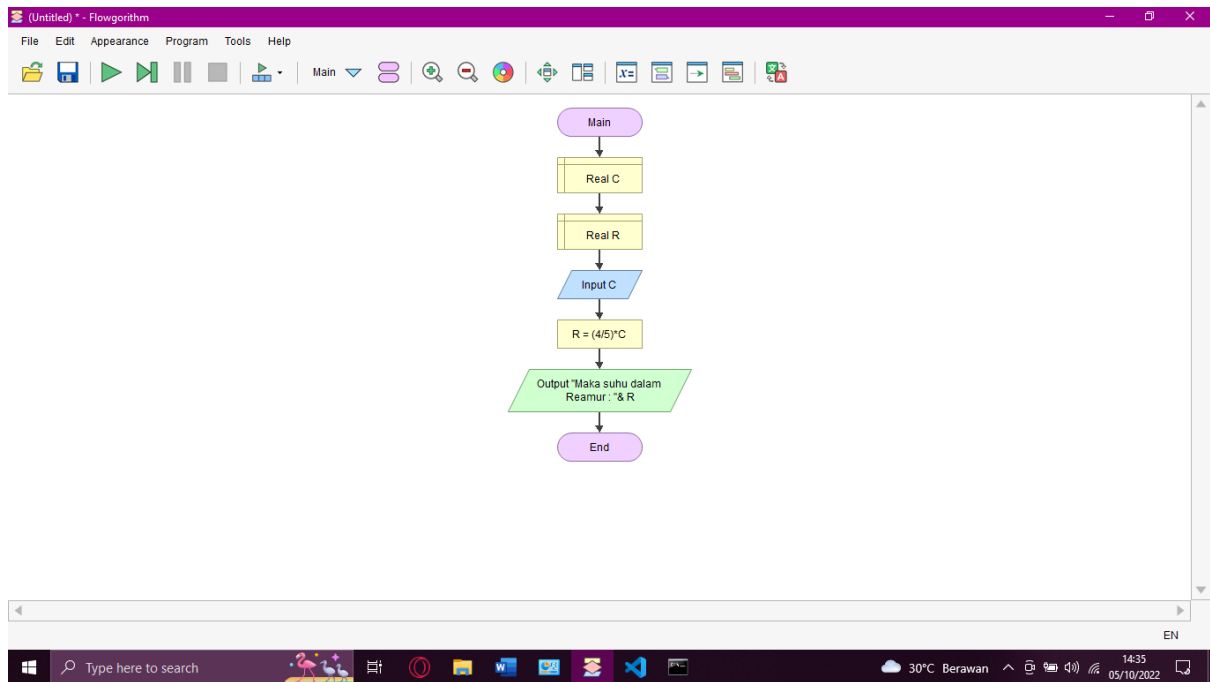
### a. Reamur ke Celcius



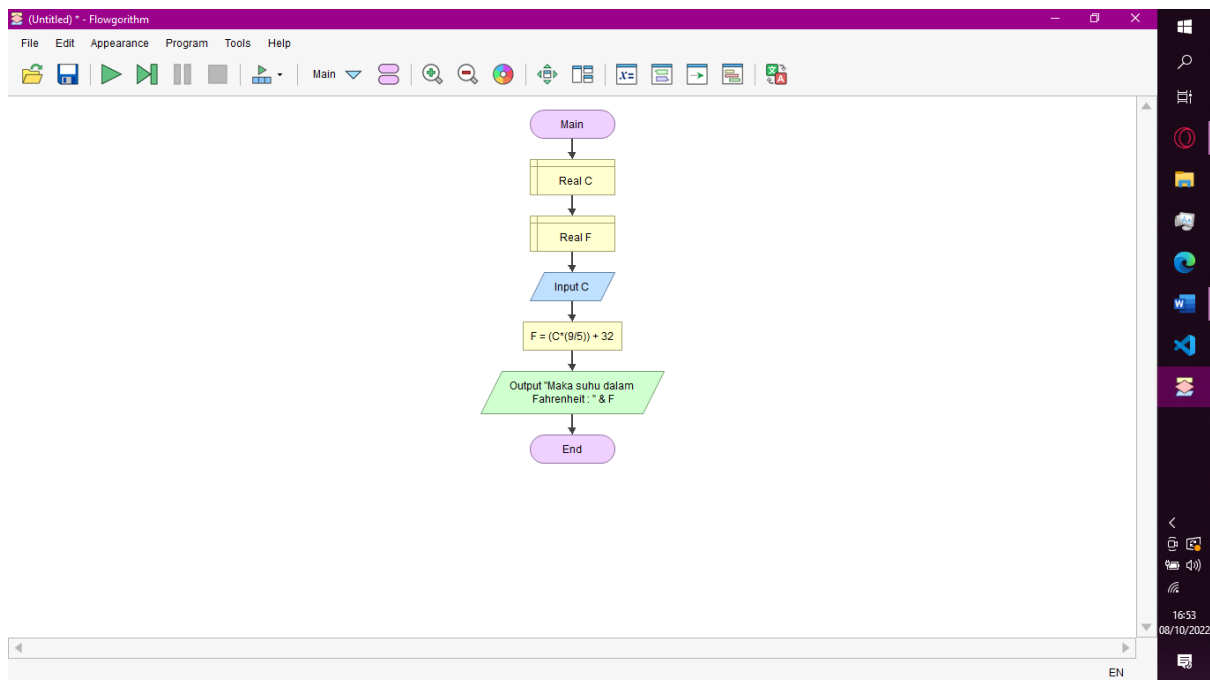
## b. Fahrenheit ke Celcius



## c. Celcius ke Reamur

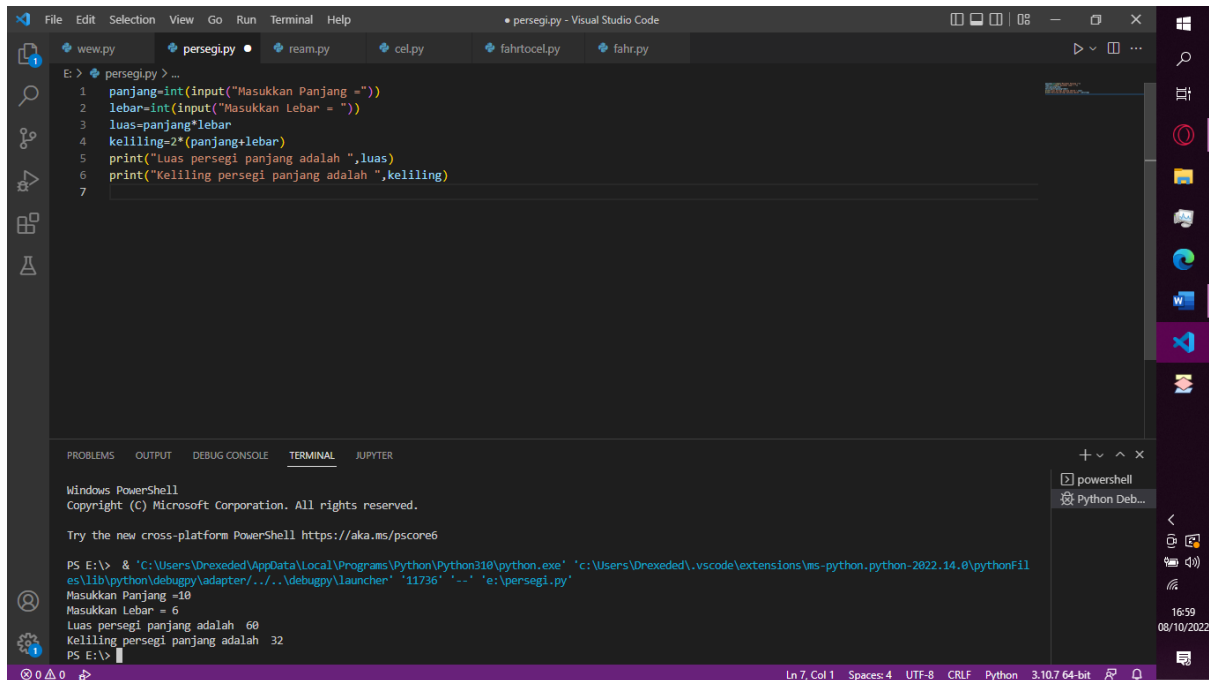


#### d. Celcius ke Fahrenheit



## VISUAL STUDIO CODE

### a. Menghitung Keliling dan Luas Persegi Panjang



The screenshot shows the Visual Studio Code interface with the file 'persegi.py' open. The code in the editor is as follows:

```
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
```

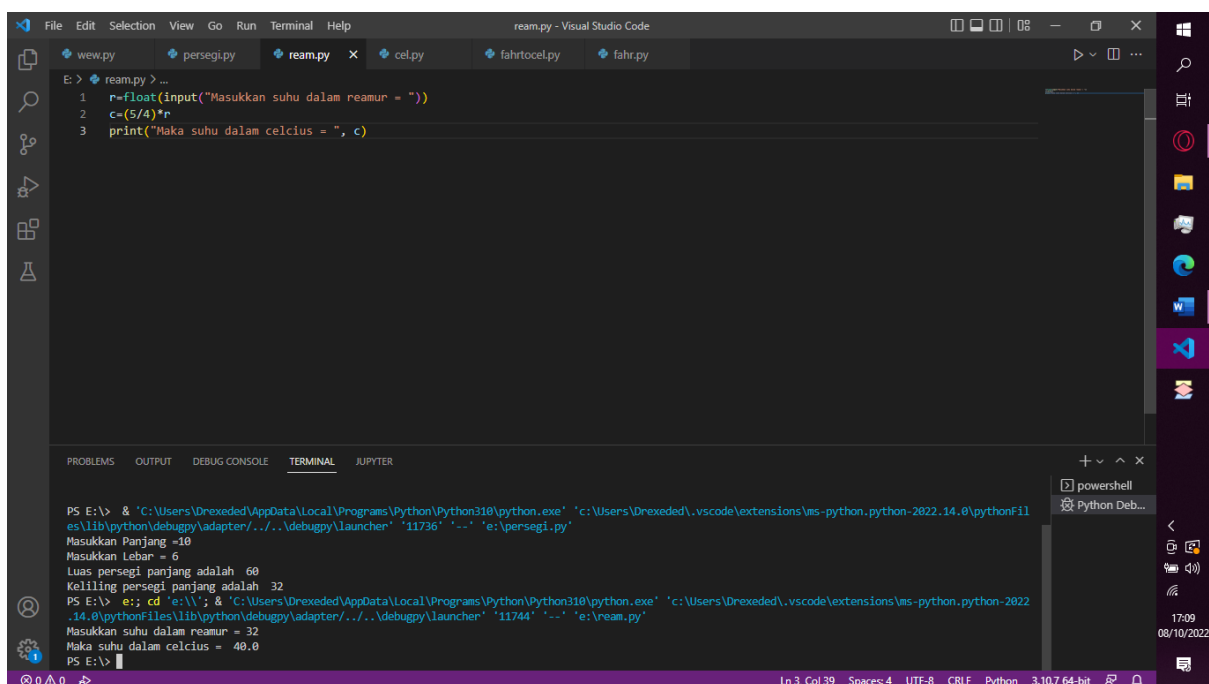
The terminal window at the bottom shows the execution of the script:

```
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:\persegi.py'
Masukkan Panjang =10
Masukkan Lebar = 6
Luas persegi panjang adalah 60
Keliling persegi panjang adalah 32
PS E:\>
```

### b. Reamur ke Celcius



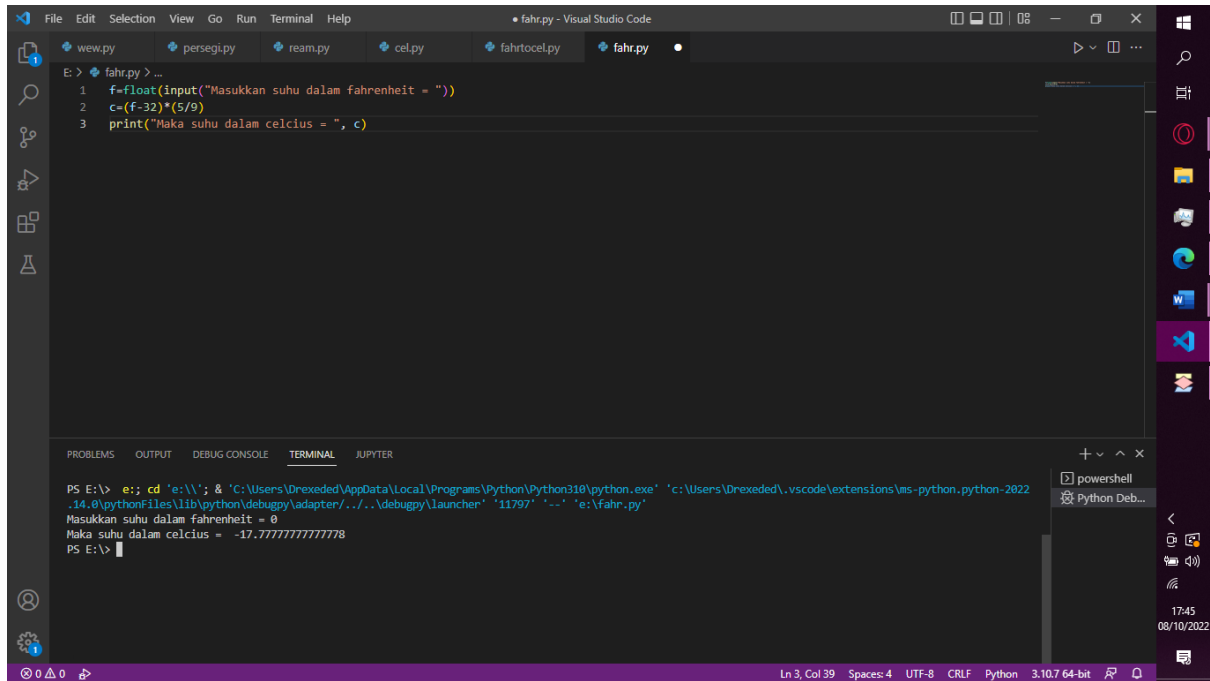
The screenshot shows the Visual Studio Code interface with the file 'ream.py' open. The code in the editor is as follows:

```
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:

```
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:\persegi.py'
Masukkan Panjang =10
Masukkan Lebar = 6
Luas persegi panjang adalah 60
Keliling persegi panjang adalah 32
PS 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 at the bottom shows the execution of the script:

```
PS E:\> e.; cd 'e:\'; & 'C:\Users\Drexeded\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexeded\.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:\>
```

The status bar at the bottom indicates the file is at line 3, column 39, with 4 spaces, using UTF-8 encoding and CRLF line endings. The Python version is 3.10.7 64-bit.

### d. Celcius ke Reamur

```
File Edit Selection View Go Run Terminal Help cel.py - Visual Studio Code
wew.py perseg.py ream.py cel.py x 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 perseg.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:\>
```