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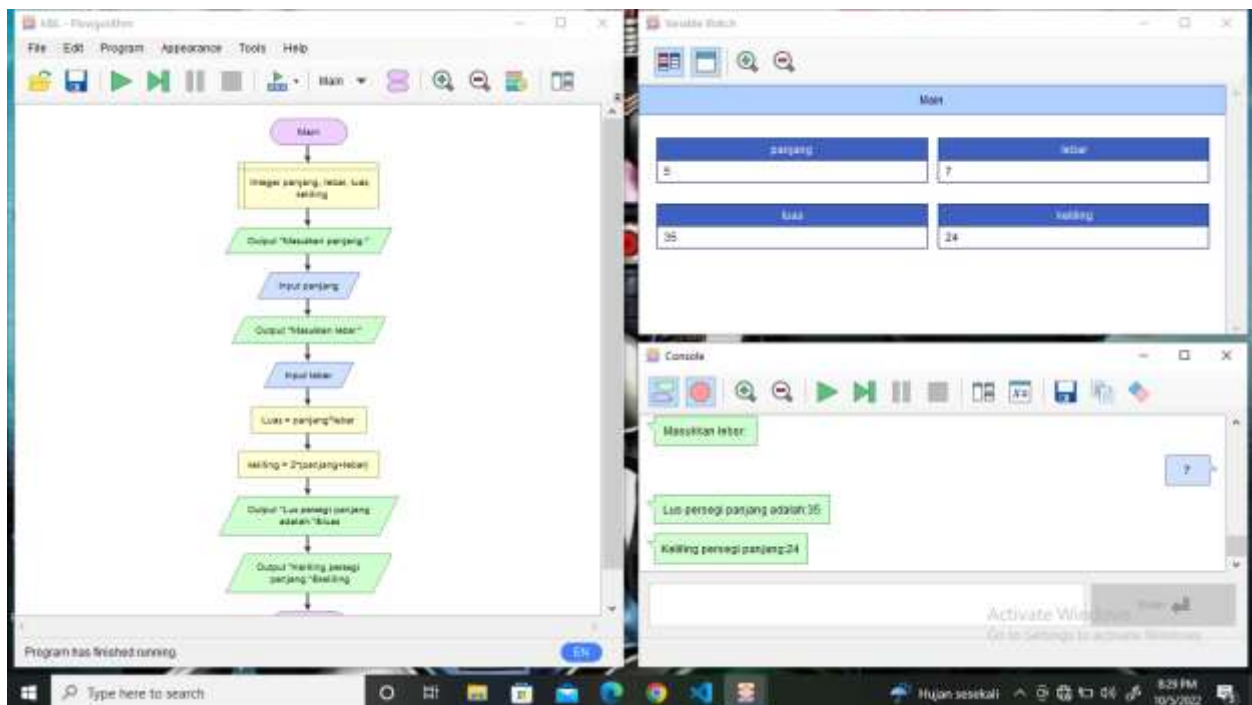
## **TUGAS INDIVIDU IV KECERDASAN BUATAN**

Tugas :

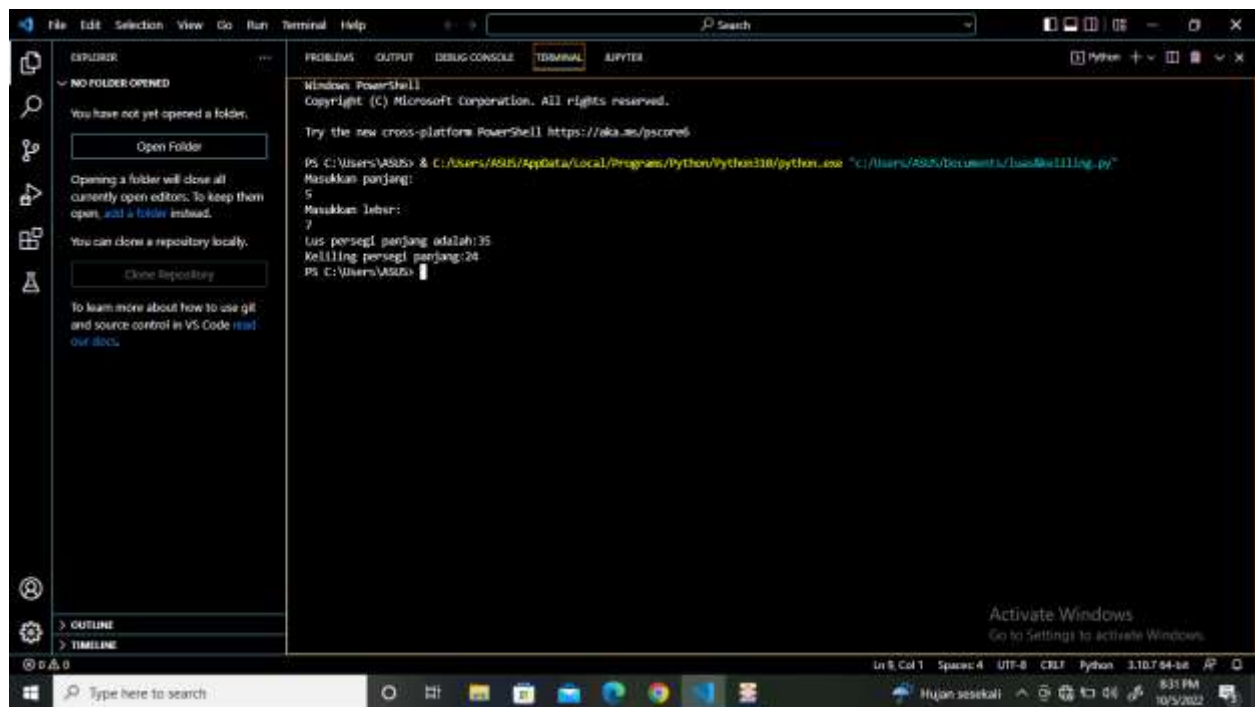
- Silahkan di praktikkan ke aplikasi Flowgorithm masing-masing kemudian dijalankan.
- Code yang terbetuk (.py) di ketik ulan di vs code,
- Hasil dari keselelurah proses dari awal sampai akhir di upload atau di tulis di github masing-masing.

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

Berikut merupakan Flowchart keliling dan luas persegi beserta hasilnya setelah dijalankan



Berikut merupakan code berbentuk .py dri flowchart di atas beserta hasilnya



The screenshot shows a Windows PowerShell terminal window. The command executed is `python.exe "c:/Users/ASUS/Documents/Isoskeliling.py"`. The script prompts for the length of the square (`Masukkan panjang:`) and the perimeter (`Masukkan lebar:`). The user enters `5` for length and `7` for perimeter. The script then calculates and displays the side length of the square (`Us persegi panjang adalah:35`) and the perimeter of the square (`Keliling persegi panjang:24`).

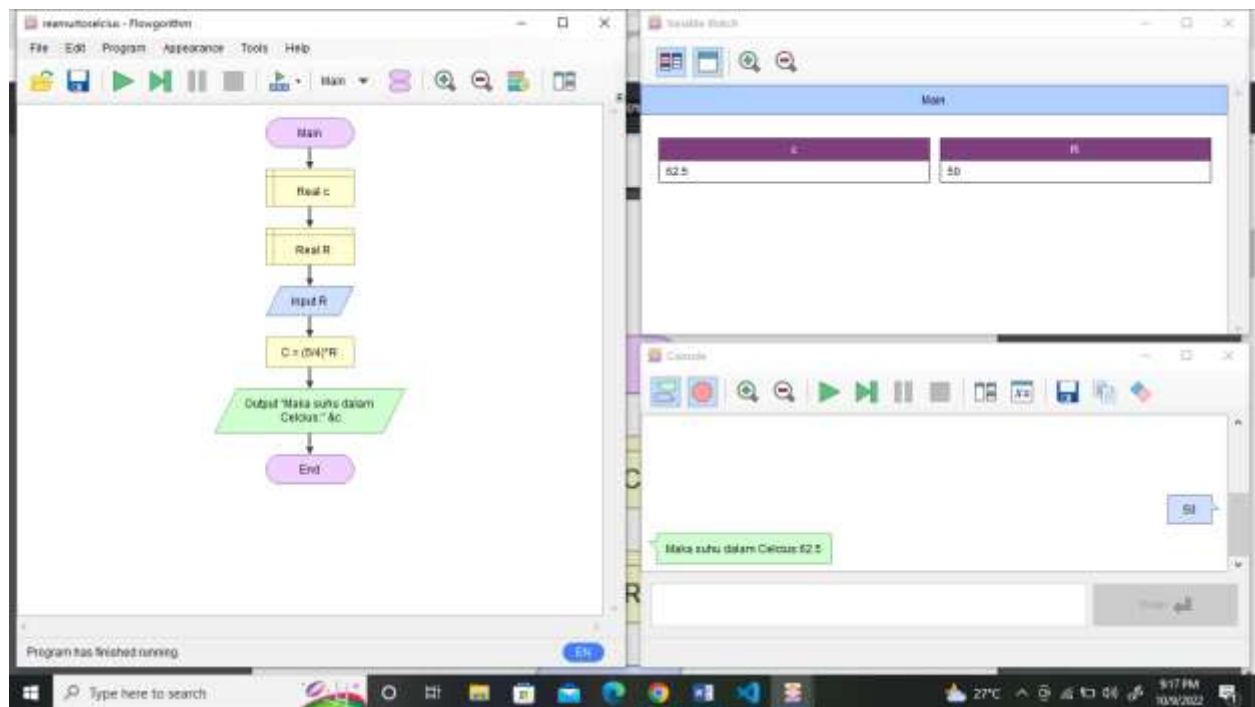
```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/Isoskeliling.py"
Masukkan panjang:
5
Masukkan lebar:
7
Us persegi panjang adalah:35
Keliling persegi panjang:24
PS C:\Users\ASUS>
```

## 2. Flochart conversi suhu

### a. Reamur ke celcius



The screenshot shows a Python IDE with a file named `namutocelcius.py`. The code in the editor is as follows:

```
1 r = float(input())
2 c = float(5) / 4 * r
3 print("Maka suhu dalam Celcius:" + str(c))
4
```

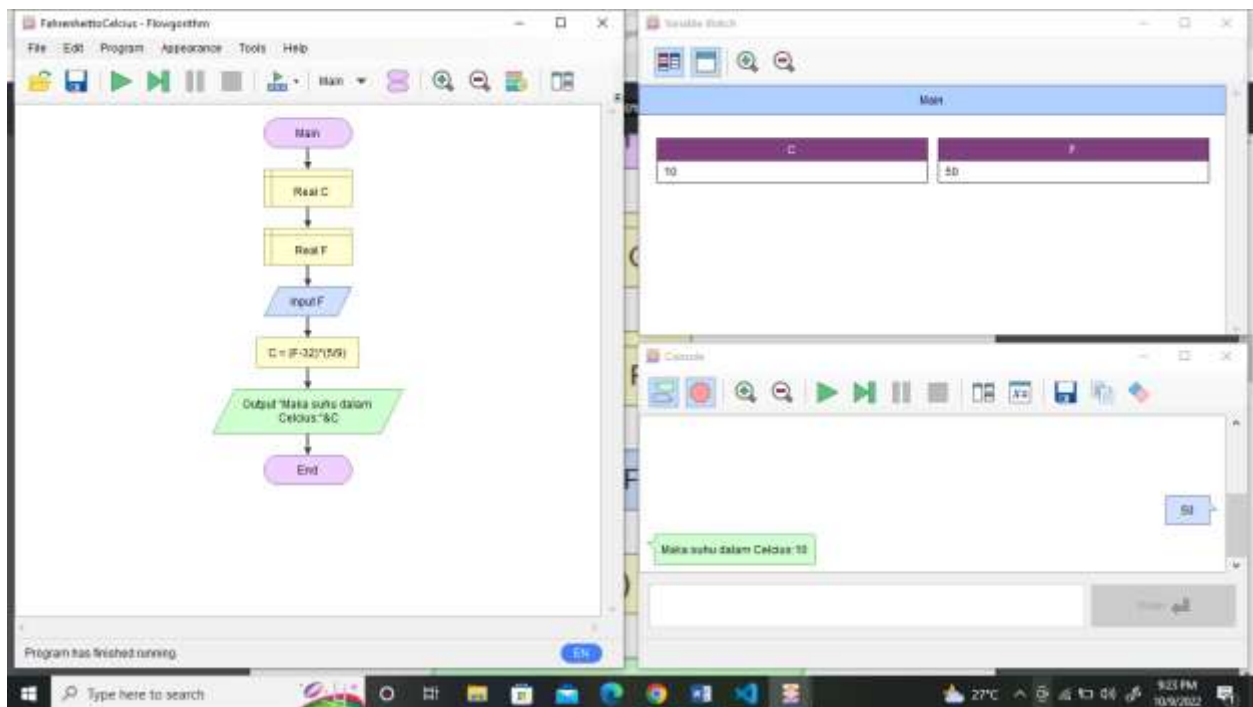
The terminal window shows the execution of the program:

```
Windows PowerShell
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PS C:\Users\ASUS\Documents\TUGAS AI> & C:/Users/ASUS/AppData/Local/Programs/Python/Python38/python.exe c:/Users/ASUS/Documents/namutocelcius.py
50
Maka suhu dalam Celcius:62.5
PS C:\Users\ASUS\Documents\TUGAS AI>
```

## b. Fahrenheit ke Celcius



The image shows a Visual Studio Code editor window with a Python file named `fahrenheittocelcius.py`. The script contains the following code:

```
1 f = float(input())
2 c = (f - 32) * (float(5) / 9)
3 print("Maka suhu dalam celcius:" + str(c))
4
```

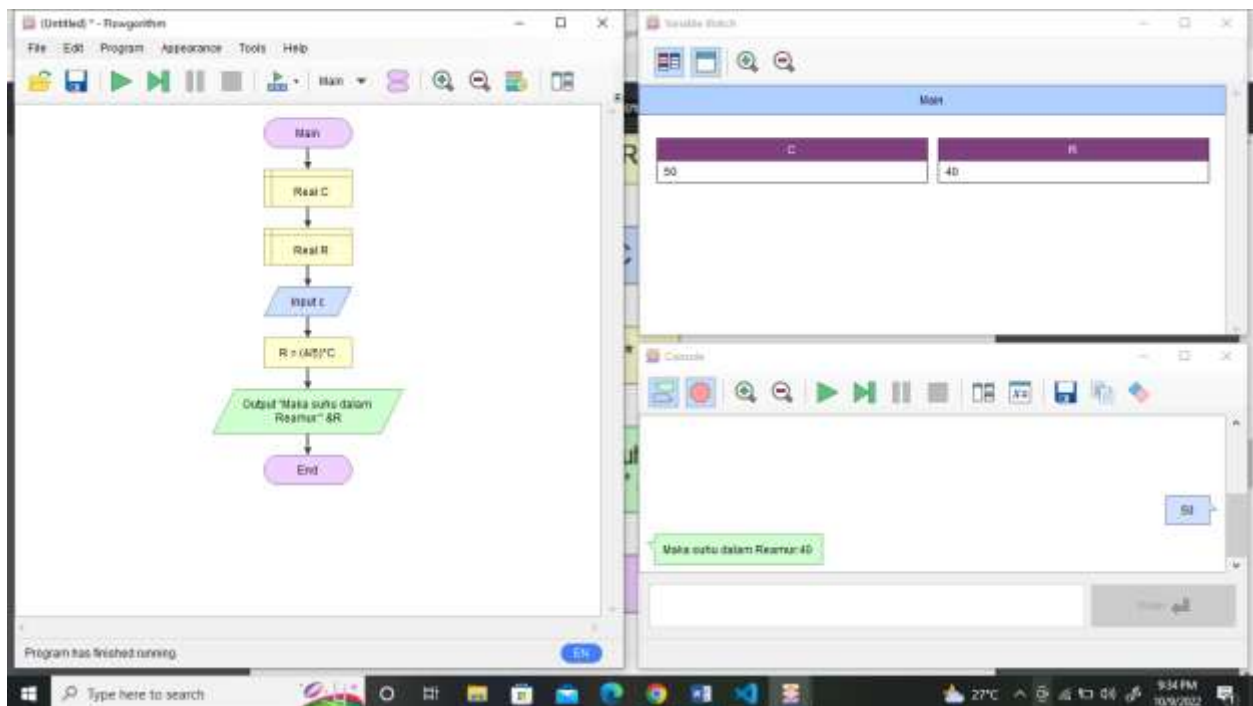
The terminal output shows the script being executed in a PowerShell environment. The user enters `50` as input, and the output is `Maka suhu dalam Celcius:10.0`.

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\ASUS\Documents\TUGAS AI> & C:\Users\ASUS\AppData\Local\Programs\Python\Python38\python.exe c:\Users\ASUS\Documents\FahrenheittoCelsius.py
50
Maka suhu dalam Celcius:10.0
PS C:\Users\ASUS\Documents\TUGAS AI>
```

### c. Celcius ke Reamur



The image shows a Visual Studio Code window with a Python file named `celciuskefahrenheit.py`. The code is as follows:

```
1 c = float(input())
2 f = float(4) / 5 * c
3 print("Maka suhu dalam Reamur:" + str(f))
4
```

The terminal output shows the command being run and the result:

```
PS C:\Users\ASUS\Documents\TUGAS AI> & C:\Users\ASUS\AppData\Local\Programs\Python\Python38\python.exe c:\Users\ASUS\Documents\celciuskefahrenheit.py
50
Maka suhu dalam Reamur:40.0
PS C:\Users\ASUS\Documents\TUGAS AI>
```

#### d. Celcius ke Fahrenheit

