

1. Skala = s

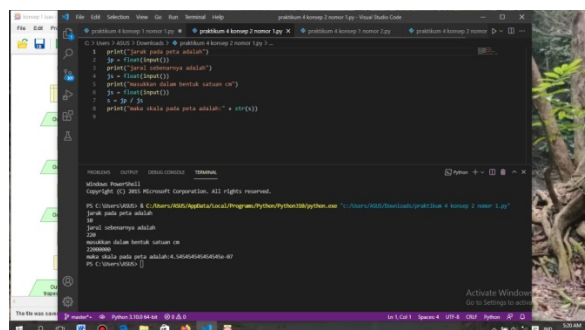
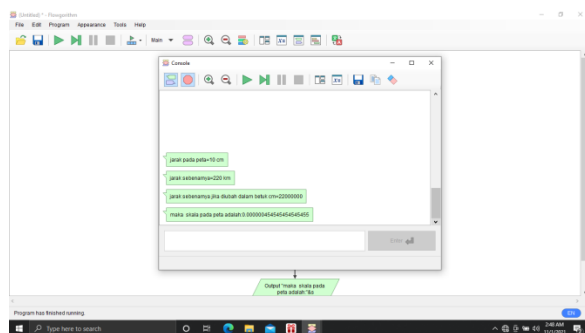
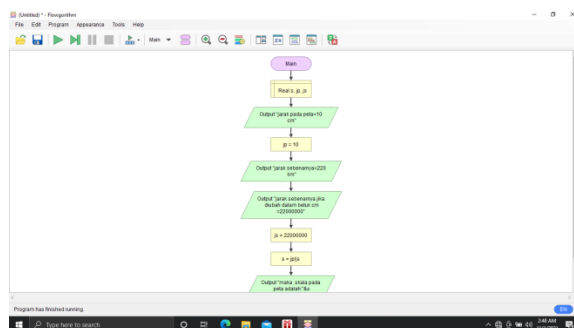
Jarak pada peta = jp

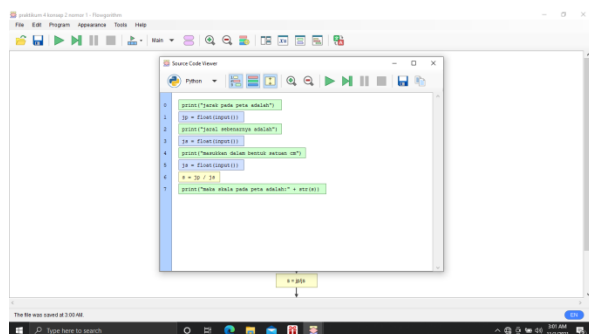
Jarak sebenarnya = js

$S = jp/js$

$S = 10 \text{ cm} : 220 \text{ km} (220000000 \text{ cm}) = 0,0000004545454545454545$

- Konsep 1:





```

praktikum 4 konsep 1 nomor 1.py
1. jarak = float(input("Jarak pada peta: "))
2. p = 10
3. print("Jarak sebenarnya: ", jarak * p)
4. print("Jarak sebenarnya jika diubah dari cm ke km: ", jarak * p / 100000)
5. s = 1000000
6. k = jarak * p / s
7. print("Maka skala pada peta adalah: ", k)

```

```

Microsoft PowerShell
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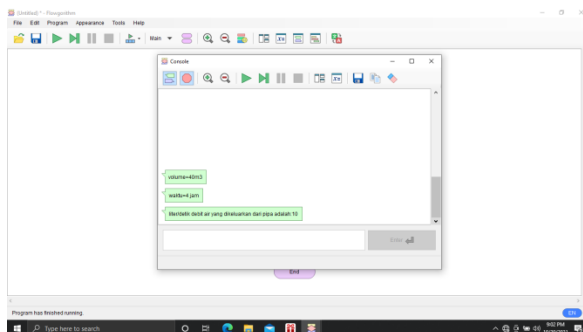
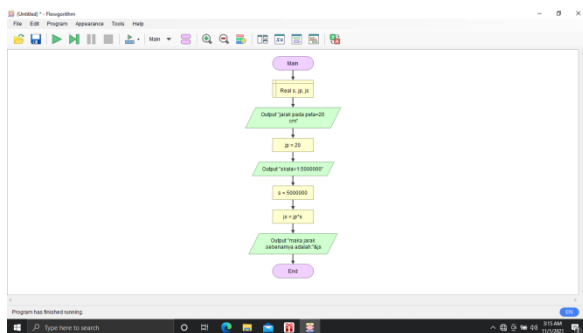
PS C:\Users\Aldo> python3 C:\Users\Aldo\AppData\Local\Programs\Python\Python38\python.exe "C:\Users\Aldo\Documents\praktikum 4 konsep 1 nomor 1.py"
Jarak pada peta: 20 cm
Jarak sebenarnya: 200 km
Jarak sebenarnya jika diubah dari cm ke km: 0.0002
Maka skala pada peta adalah: 1:50000000

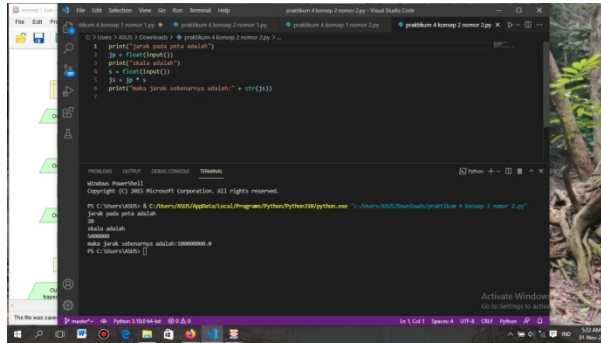
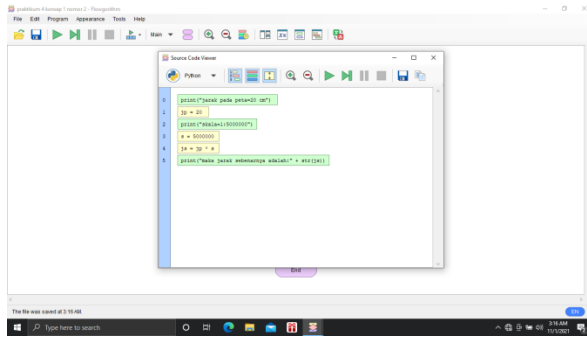
```

2. Jarak sebenarnya = jarak pada peta * skala

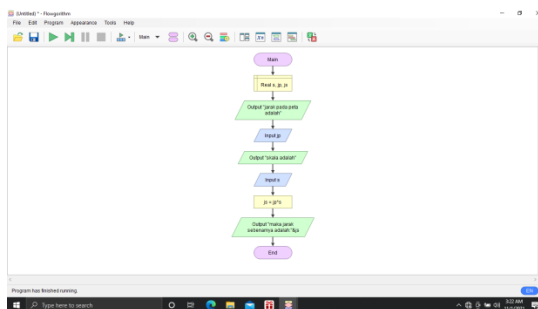
$$J_s = 20 \text{ cm} \times 1:50000000 = 1000000000 \text{ cm (1000 km)}$$

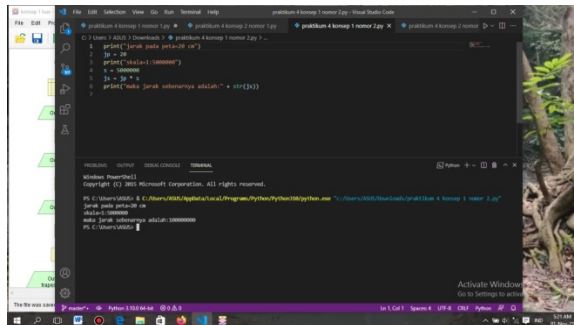
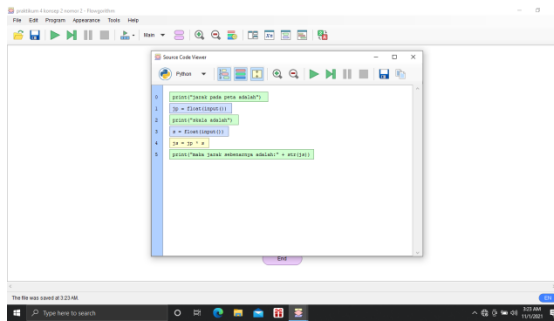
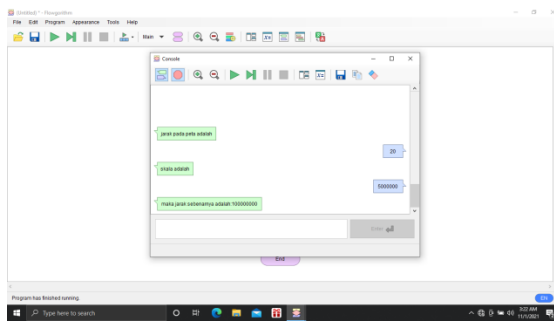
- Konsep 1:





- Konsep 2:

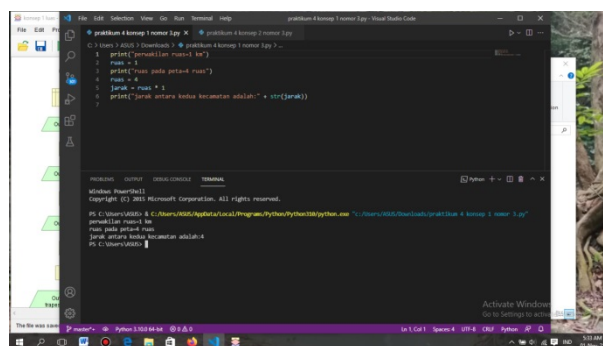
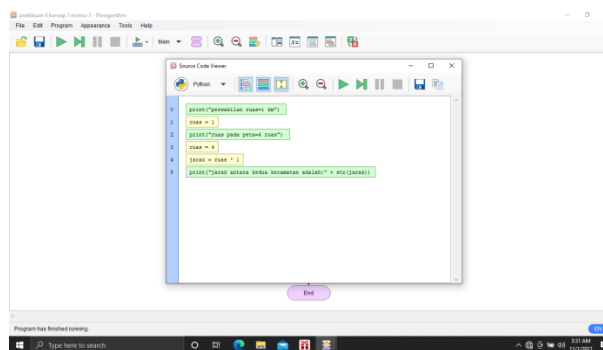
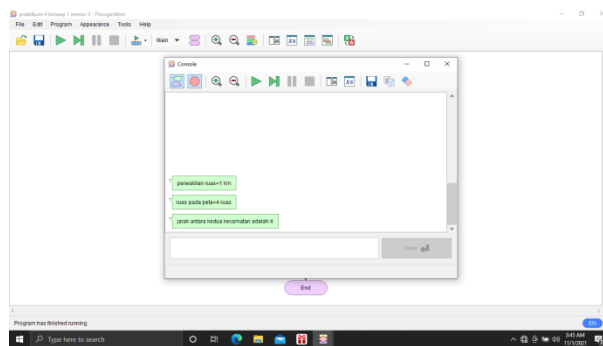
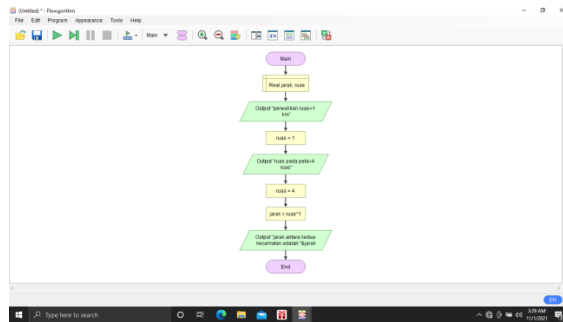




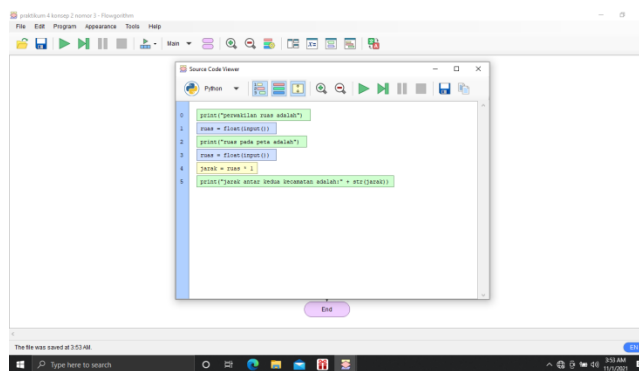
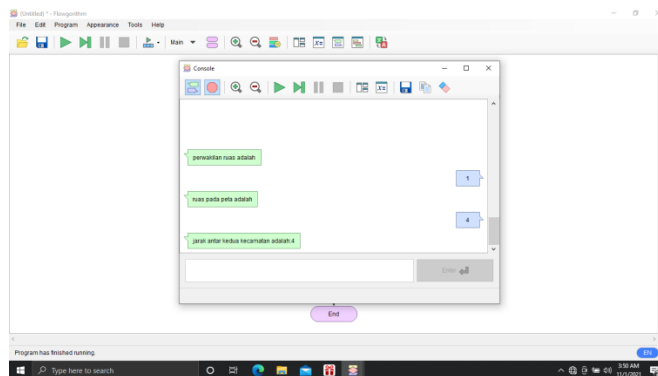
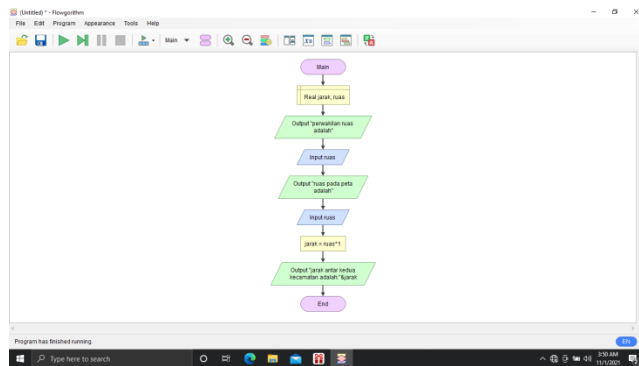
3. Jarak perwakilan pada peta*ruas

$$\text{Jarak} = 1 \text{ km} * 4 \text{ ruas} = 4 \text{ km}$$

- Konsep 1:



- Konsep 2:



The screenshot shows a Windows desktop environment. In the foreground, a Visual Studio Code window is open, displaying a Python script named 'praktikum 4 konsep 2 nomor 3.py'. The script contains the following code:

```
1 print("Berapa km jarak antara kota?")
2 jarak = float(input())
3 luas = float(input())
4 jarak = jarak * 1
5 print("Jarak antara kedua kecamatan adalah:" + str(jarak))
6
```

Below the editor, a terminal window is open, showing the execution of the script. The output is as follows:

```
PS C:\Users\user> python C:\Users\user\AppData\Local\Programs\Python\Python38\python.exe "C:\Users\user\Downloads\praktikum 4 konsep 2 nomor 3.py"
Berapa km jarak antara kota?
1
Jarak antara kedua kecamatan adalah: 1
PS C:\Users\user>
```

The terminal window also shows the Windows PowerShell prompt and the file path of the script. The status bar at the bottom of the Visual Studio Code window indicates the file is named 'praktikum 4 konsep 2 nomor 3.py' and is located in the 'Downloads' folder.