

Pemrograman Berorientasi Objek

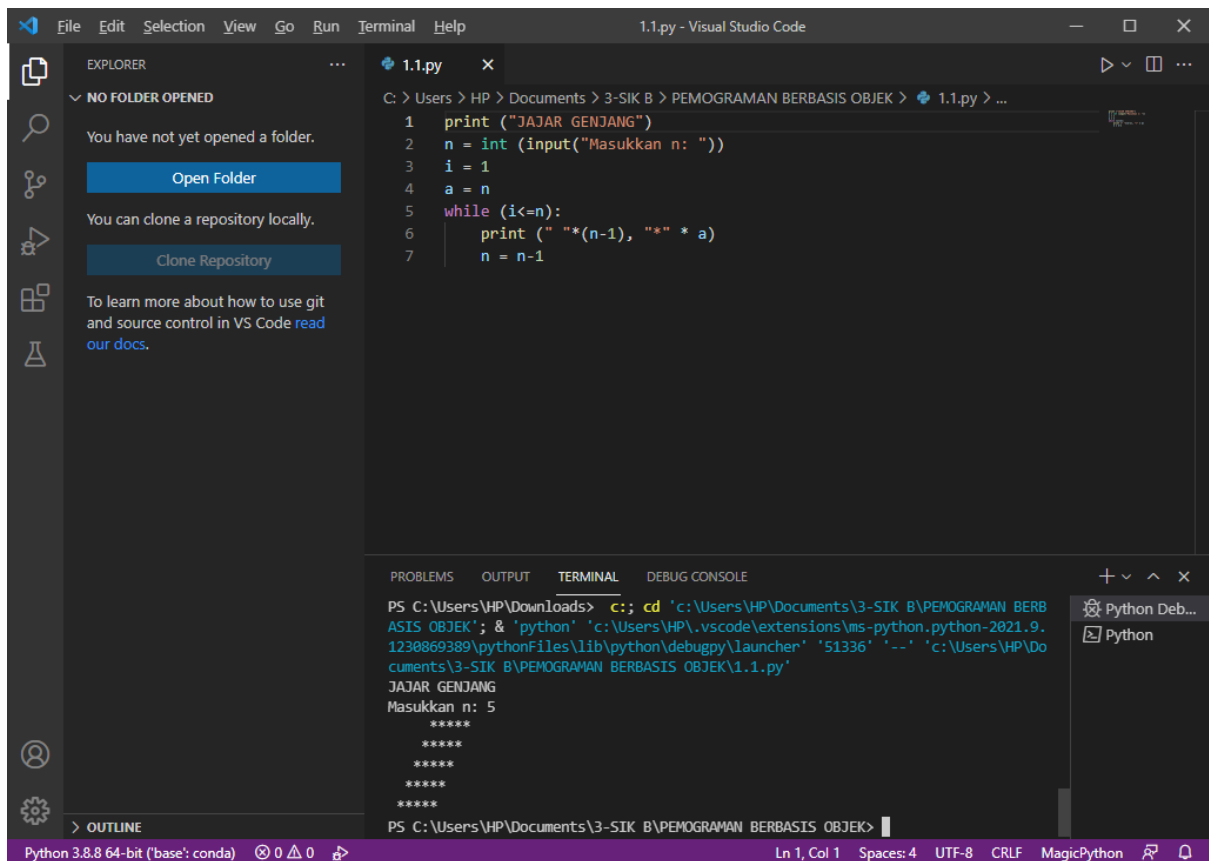
Pertemuan 3

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Kelas : SIK B

1. Buatlah kelas untuk mengimplementasikan metode-metode untuk menggambar bangun datar dengan menggunakan '*', diantaranya:



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a file named '1.1.py'. The main editor displays the following Python code:

```
1 print ("JAJAR GENJANG")
2 n = int (input("Masukkan n: "))
3 i = 1
4 a = n
5 while (i<=n):
6     print (" "*(n-1), "*" * a)
7     n = n-1
```

The TERMINAL panel at the bottom shows the command prompt output:

```
PS C:\Users\HP\Downloads> c:; cd 'c:\Users\HP\Documents\3-SIK B\PEMOGRAMAN BERBASIS OBJEK'; & 'python' 'c:\Users\HP\.vscode\extensions\ms-python.python-2021.9.1230869389\pythonFiles\lib\python\debugpy\launcher' '51336' '--' 'c:\Users\HP\Documents\3-SIK B\PEMOGRAMAN BERBASIS OBJEK\1.1.py'
JAJAR GENJANG
Masukkan n: 5
*****
*****
*****
*****
*****
```

The status bar at the bottom indicates the Python version is 3.8.8 64-bit (base: conda) and the file encoding is UTF-8.

(a. Gambar jajargenjang)

(b. gambar segitiga siku-siku terbalik)

2. Buatlah kelas untuk mengimplmentasikan perhitungan luas bangun datar dan volume bangun ruang, diantaranya:

- `luasSegitiga()`

• volumeBalok()

The screenshot shows the Visual Studio Code interface with a Python file named 1.4.py open. The code defines a function `volumeBalok()` that prompts the user for the length, width, and height of a rectangular prism, calculates the volume, and prints the result.

```
1 print ("MENGHITUNG VOLUME BALOK")
2 p = float (input("Masukkan panjang sisi = "))
3 l = float (input("Masukkan lebar sisi = "))
4 t = float (input("Masukkan tinggi sisi = "))
5
6 volumeBalok = p*l*t
7
8 print ("Volume balok adalah ", volumeBalok)
```

The terminal output shows the execution of the script, where the user inputs 6 for length, 10 for width, and 5 for height, resulting in a volume of 300.0.

```
PS C:\Users\HP\Documents\3-SIK B\PEMOGRAMAN BERBASIS OBJEK>
PS C:\Users\HP\Documents\3-SIK B\PEMOGRAMAN BERBASIS OBJEK> c:: cd 'c:\Users\HP\Documents\3-SIK B\PEMOGRAMAN BERBASIS OBJEK'; & 'python' 'c:\Users\HP\.vscode\extensions\ms-python.python-2021.9.1230869389\pythonFiles\lib\python\debugpy\launcher' '63648' '--' 'c:\Users\HP\Documents\3-SIK B\PEMOGRAMAN BERBASIS OBJEK\1.4.py'
MENGHITUNG VOLUME BALOK
Masukkan panjang sisi = 6
Masukkan lebar sisi = 10
Masukkan tinggi sisi = 5
Volume balok adalah 300.0
PS C:\Users\HP\Documents\3-SIK B\PEMOGRAMAN BERBASIS OBJEK>
```