

Nama : Andrian Afriandi

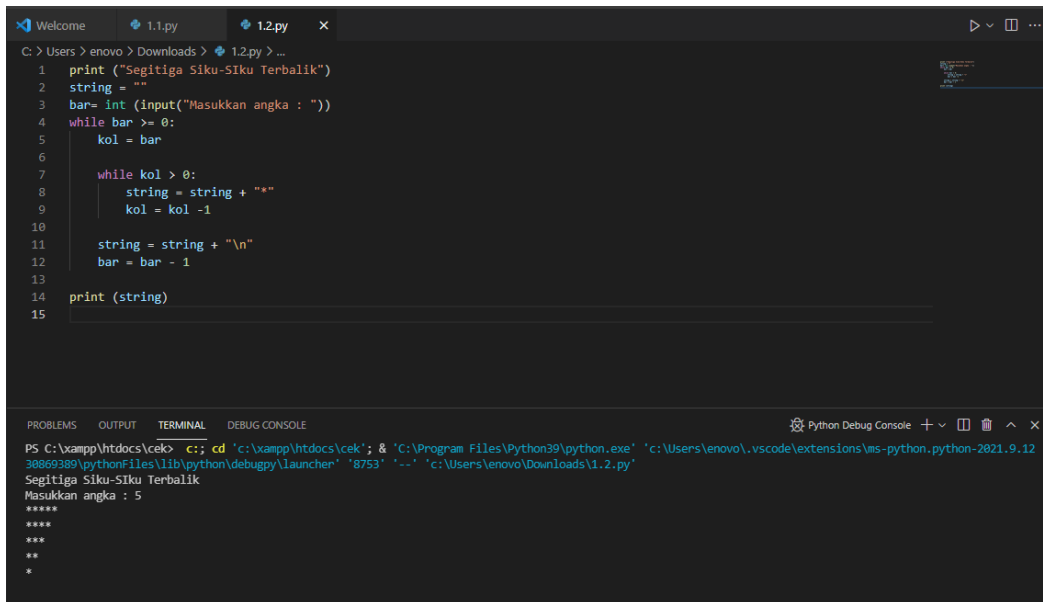
NIM : 2009020

Kelas : 3B SIK

Laporan tugas PBO pertemuan 2

1. Membuat kelas untuk mengimplementasikan metoed untuk menggambar bangun datar dengan menggunakan '*'.

a. Segitiga siku-siku terbalik



The screenshot shows a VS Code editor with a Python file named 1.2.py. The code is as follows:

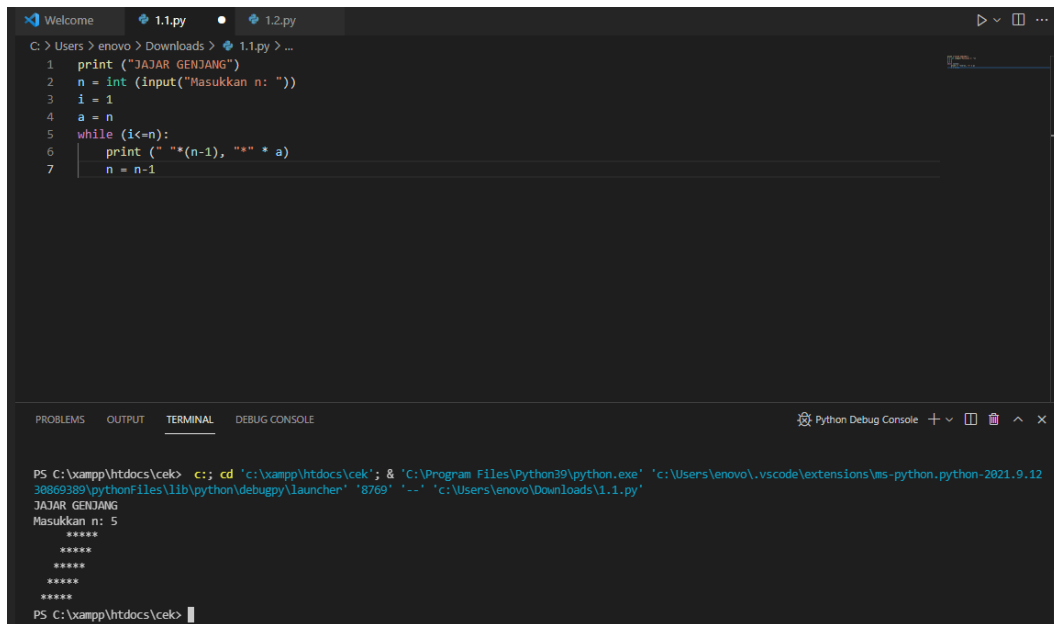
```
1 print ("Segitiga Siku-Siku Terbalik")
2 string = ""
3 bar= int (input("Masukkan angka : "))
4 while bar >= 0:
5     kol = bar
6
7     while kol > 0:
8         string = string + "*"
9         kol = kol -1
10
11    string = string + "\n"
12    bar = bar - 1
13
14 print (string)
15
```

The terminal output shows the program running and the user inputting 5:

```
PS C:\xampp\htdocs\cek> c:: cd 'c:\xampp\htdocs\cek'; & 'C:\Program Files\Python39\python.exe' 'c:\Users\enovo\.vscode\extensions\ms-python.python-2021.9.12\30869389\pythonFiles\lib\python\debugpy\launcher' '8753' '--' 'c:\Users\enovo\Downloads\1.2.py'
Segitiga Siku-Siku Terbalik
Masukkan angka : 5
*****
****
***
**
*
```

Gambar1. Segitiga siku-siku terbalik

b. Jajar genjang



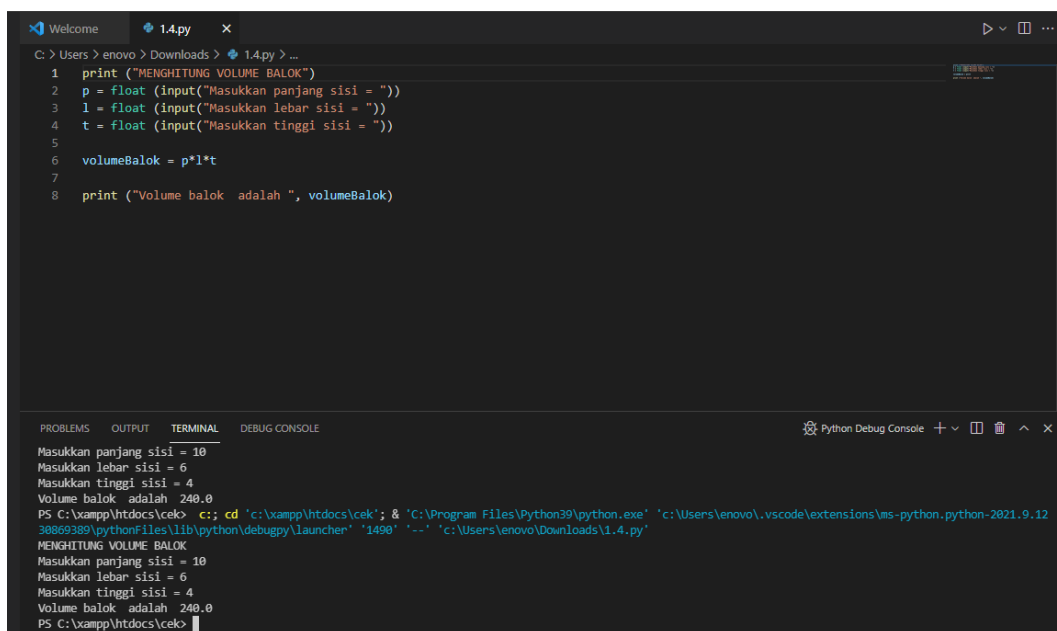
```
1 print ("JAJAR GENJANG")
2 n = int (input("Masukkan n: "))
3 i = 1
4 a = n
5 while (i<=n):
6     print (" "*(n-1), "*" * a)
7     n = n-1
```

```
PS C:\xampp\htdocs\cek> c:: cd 'c:\xampp\htdocs\cek'; & 'C:\Program Files\Python39\python.exe' 'c:\Users\enovo\.vscode\extensions\ms-python.python-2021.9.12\30869389\pythonFiles\lib\python\debugpy\launcher' '8769' '--' 'c:\Users\enovo\Downloads\1.1.py'
JAJAR GENJANG
Masukkan n: 5
*****
*****
*****
*****
*****
PS C:\xampp\htdocs\cek>
```

Gambar2. Jajar genjang

2. Membuat kelas untuk mengimplementasikan metode perhitungan luas bangun datar dan volume bnagun ruang.

a. Menghitung volume balok

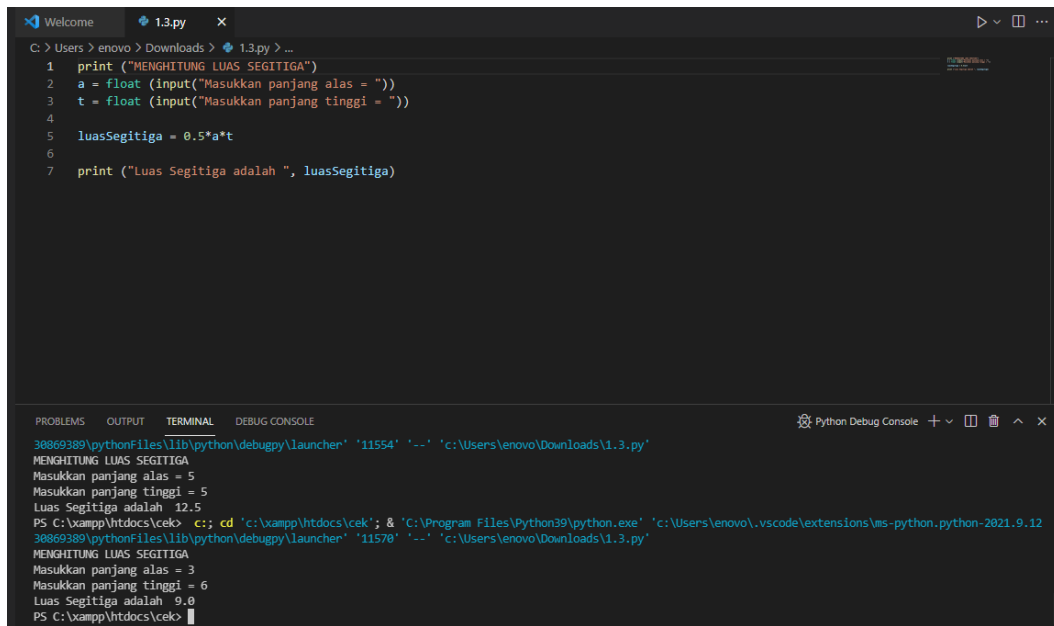


```
1 print ("MENGHITUNG VOLUME BALOK")
2 p = float (input("Masukkan panjang sisi = "))
3 l = float (input("Masukkan lebar sisi = "))
4 t = float (input("Masukkan tinggi sisi = "))
5
6 volumeBalok = p*l*t
7
8 print ("Volume balok adalah ", volumeBalok)
```

```
Masukkan panjang sisi = 10
Masukkan lebar sisi = 6
Masukkan tinggi sisi = 4
Volume balok adalah 240.0
PS C:\xampp\htdocs\cek> c:: cd 'c:\xampp\htdocs\cek'; & 'C:\Program Files\Python39\python.exe' 'c:\Users\enovo\.vscode\extensions\ms-python.python-2021.9.12\30869389\pythonFiles\lib\python\debugpy\launcher' '1490' '--' 'c:\Users\enovo\Downloads\1.4.py'
MENGHITUNG VOLUME BALOK
Masukkan panjang sisi = 10
Masukkan lebar sisi = 6
Masukkan tinggi sisi = 4
Volume balok adalah 240.0
PS C:\xampp\htdocs\cek>
```

Gambar3. Menghitung volume balok

b. Mengitung luas segitiga



The image shows a Visual Studio Code editor window with a Python file named `1.3.py`. The script calculates the area of a triangle based on user input for the base (`a`) and height (`t`). The formula used is $\text{luasSegitiga} = 0.5 * a * t$. The terminal output shows two successful runs of the script. In the first run, the base is 5 and the height is 5, resulting in an area of 12.5. In the second run, the base is 3 and the height is 6, resulting in an area of 9.0.

```
1 print ("MENGHITUNG LUAS SEGITIGA")
2 a = float (input("Masukkan panjang alas = "))
3 t = float (input("Masukkan panjang tinggi = "))
4
5 luasSegitiga = 0.5*a*t
6
7 print ("Luas Segitiga adalah ", luasSegitiga)
```

30869389\pythonFiles\lib\python\debugpy\launcher '11554' '--' 'c:\Users\enovo\Downloads\1.3.py'

MENGHITUNG LUAS SEGITIGA

Masukkan panjang alas = 5

Masukkan panjang tinggi = 5

Luas Segitiga adalah 12.5

PS C:\xampp\htdocs\ceko> cd 'c:\xampp\htdocs\ceko'; & 'c:\Program Files\Python39\python.exe' 'c:\Users\enovo\.vscode\extensions\ms-python.python-2021.9.12\30869389\pythonFiles\lib\python\debugpy\launcher' '11578' '--' 'c:\Users\enovo\Downloads\1.3.py'

MENGHITUNG LUAS SEGITIGA

Masukkan panjang alas = 3

Masukkan panjang tinggi = 6

Luas Segitiga adalah 9.0

PS C:\xampp\htdocs\ceko>

Gambar4. Mengitung luas segitiga