

Nama : Fani Aulias Furqan

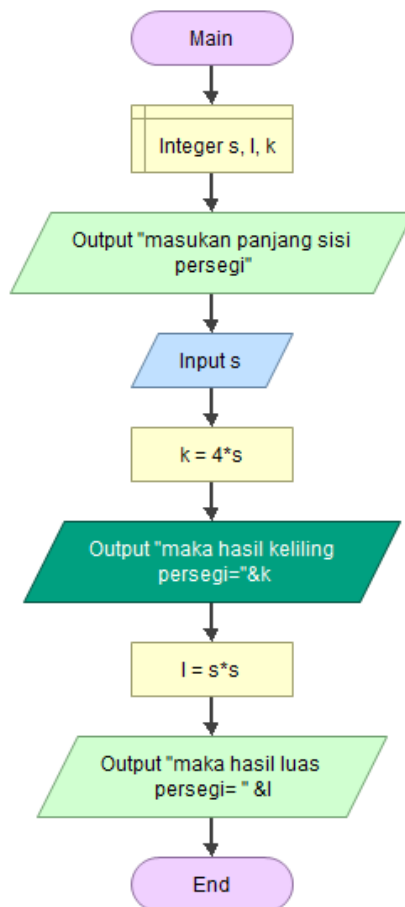
NIM : 211001124

Kelas : D/kecerdasan buatan

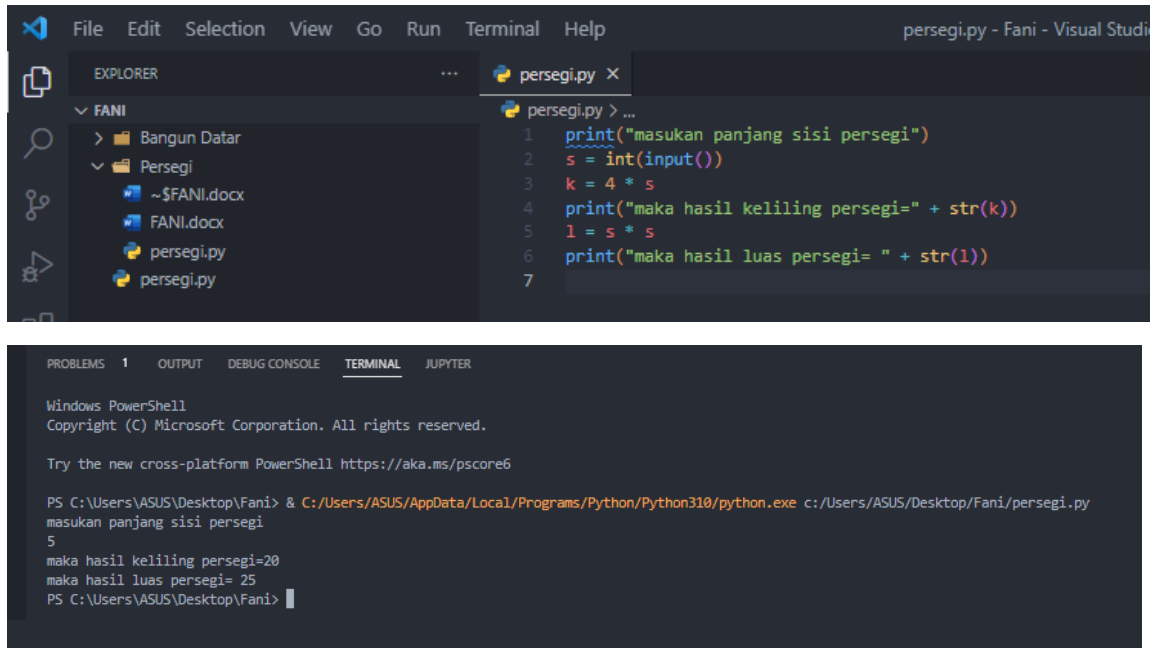
Tugas 1

Persegi

Flowgarithm



VSCode



The image shows a screenshot of the Visual Studio Code (VS Code) interface. The top bar displays the menu: File, Edit, Selection, View, Go, Run, Terminal, Help. The Explorer panel on the left shows a project structure with a folder named 'FANI' containing subfolders 'Bangun Datar' and 'Persegi', and files '~\$FANI.docx', 'FANI.docx', 'persegi.py', and 'persegi.py'. The main editor window shows the code for 'persegi.py':

```
1 print("masukan panjang sisi persegi")
2 s = int(input())
3 k = 4 * s
4 print("maka hasil keliling persegi=" + str(k))
5 l = s * s
6 print("maka hasil luas persegi= " + str(l))
7
```

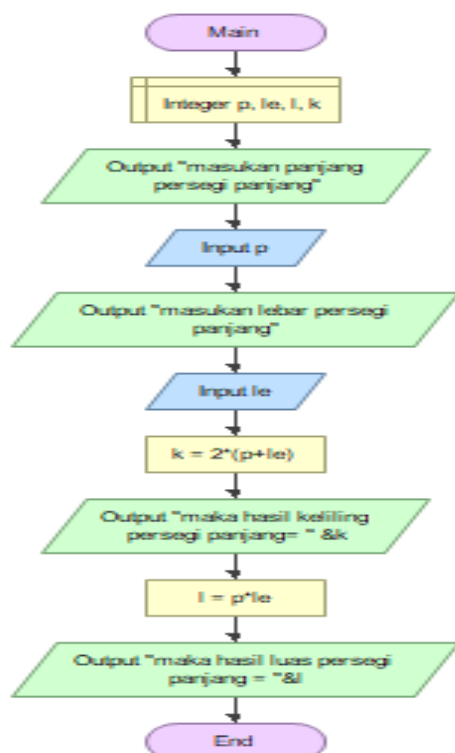
Below the editor, the TERMINAL panel is open, showing the execution of the script in a Windows PowerShell environment. The output is as follows:

```
Windows PowerShell
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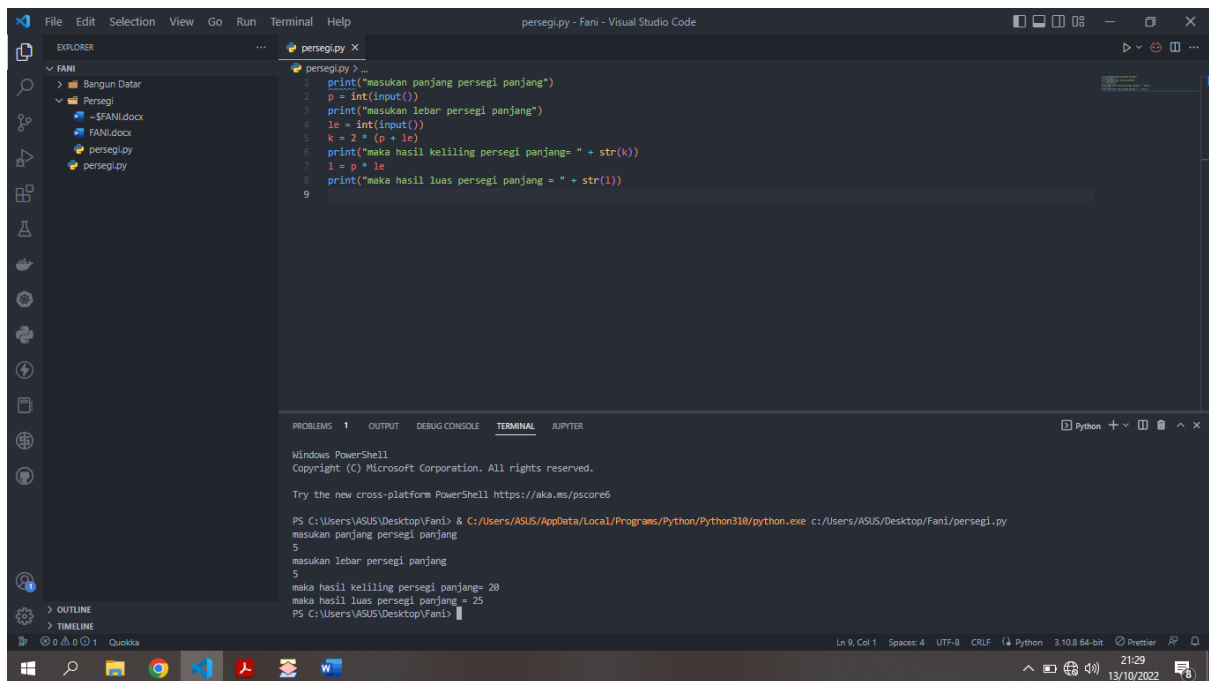
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ASUS\Desktop\Fani> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/Desktop/Fani/persegi.py
masukan panjang sisi persegi
5
maka hasil keliling persegi=20
maka hasil luas persegi= 25
PS C:\Users\ASUS\Desktop\Fani>
```

Persegi Panjang



VSCode



```
File Edit Selection View Go Run Terminal Help
persegipy - Fani - Visual Studio Code

EXPLORER
FANI
  Bangun Datar
  Persegi
    ~$FANI.docx
    FANI.docx
    persegipy
    persegipy

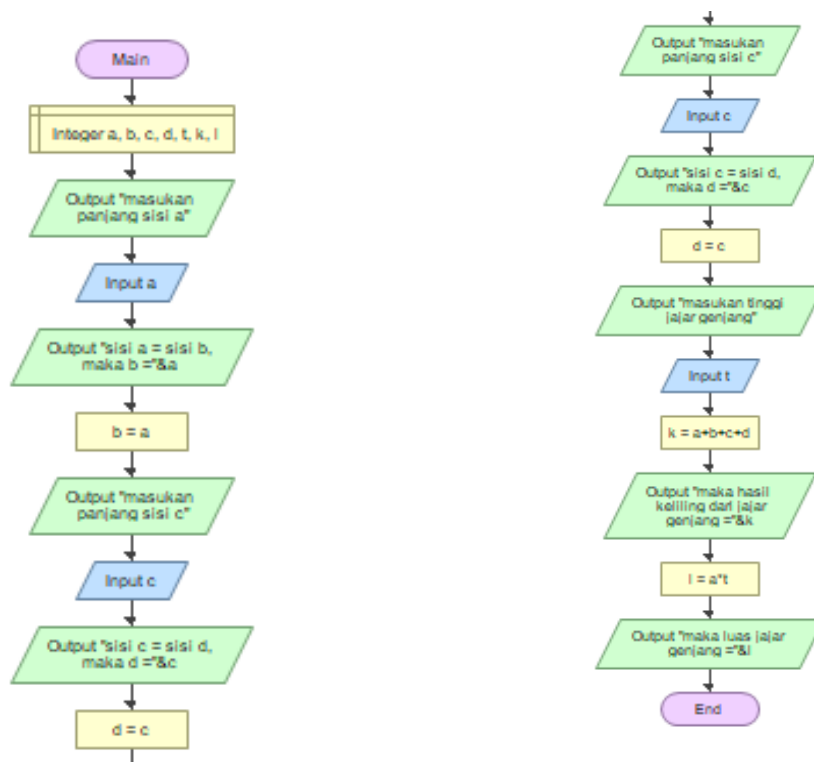
persegipy.py
1 print("masukan panjang persegi panjang")
2 p = int(input())
3 print("masukan lebar persegi panjang")
4 le = int(input())
5 k = 2 * (p + le)
6 print("maka hasil keliling persegi panjang= " + str(k))
7 l = p * le
8 print("maka hasil luas persegi panjang = " + str(l))
9

TERMINAL
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ASUS\Desktop\Fani> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ASUS\Desktop\Fani\persegipy.py
masukan panjang persegi panjang
5
masukan lebar persegi panjang
5
maka hasil keliling persegi panjang= 20
maka hasil luas persegi panjang = 25
PS C:\Users\ASUS\Desktop\Fani>
```

Jajar genjang



VSCode

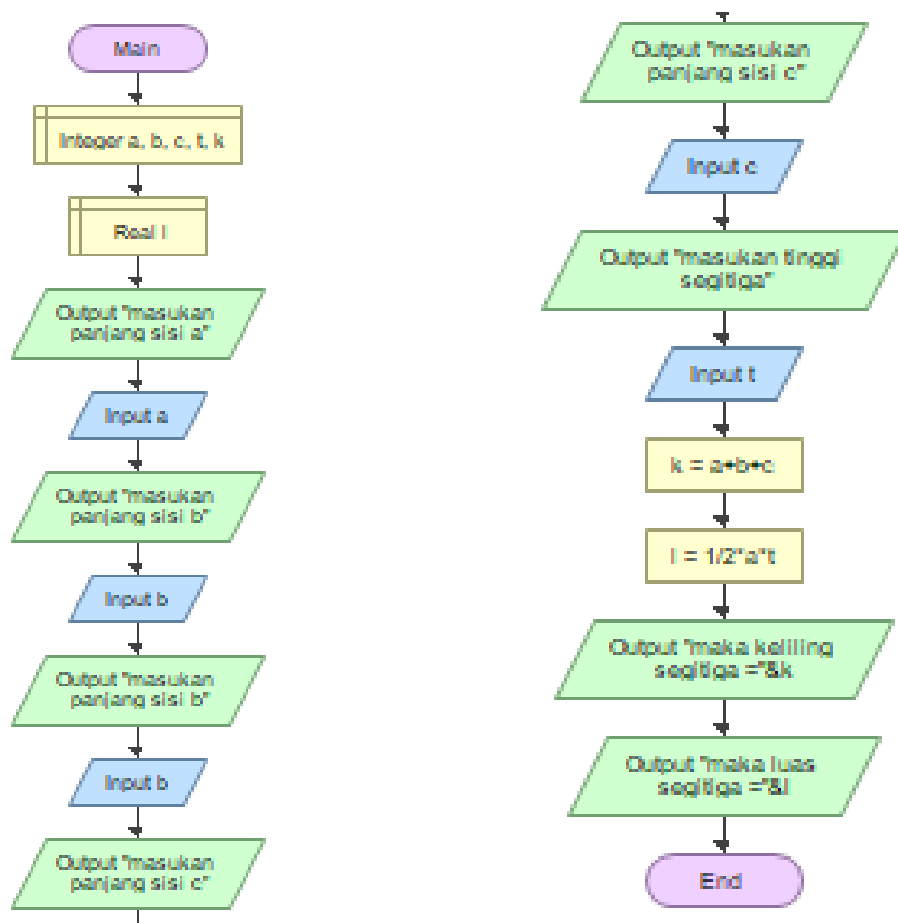
The screenshot shows the VS Code interface with a Python file named `persegi.py` open. The code prompts the user to input the lengths of the sides of a parallelogram and its height, then calculates the perimeter and area.

```
1 print("masukan panjang sisi a")
2 a = int(input())
3 print("sisi a = sisi b, maka b =" + str(a))
4 b = a
5 print("masukan panjang sisi c")
6 c = int(input())
7 print("sisi c = sisi d, maka d =" + str(c))
8 d = c
9 print("masukan tinggi jajar genjang")
10 t = int(input())
11 k = a + b + c + d
12 print("maka hasil keliling dari jajar genjang =" + str(k))
13 l = a * t
14 print("maka luas jajar genjang =" + str(l))
15
```

The terminal window shows the execution of the script, with inputs 5 for side a and 5 for side c, resulting in a perimeter of 20 and an area of 25.

Segitiga

Flowarithm



VSCode

```
1 print("masukan panjang sisi a")
2 a = int(input())
3 print("masukan panjang sisi b")
4 b = int(input())
5 print("masukan panjang sisi b")
6 b = int(input())
7 print("masukan panjang sisi c")
8 c = int(input())
9 print("masukan tinggi segitiga")
10 t = int(input())
11 k = a + b + c
12 l = float(l) / 2 * a * t
13 print("maka keliling segitiga =" + str(k))
14 print("maka luas segitiga =" + str(l))
15
```

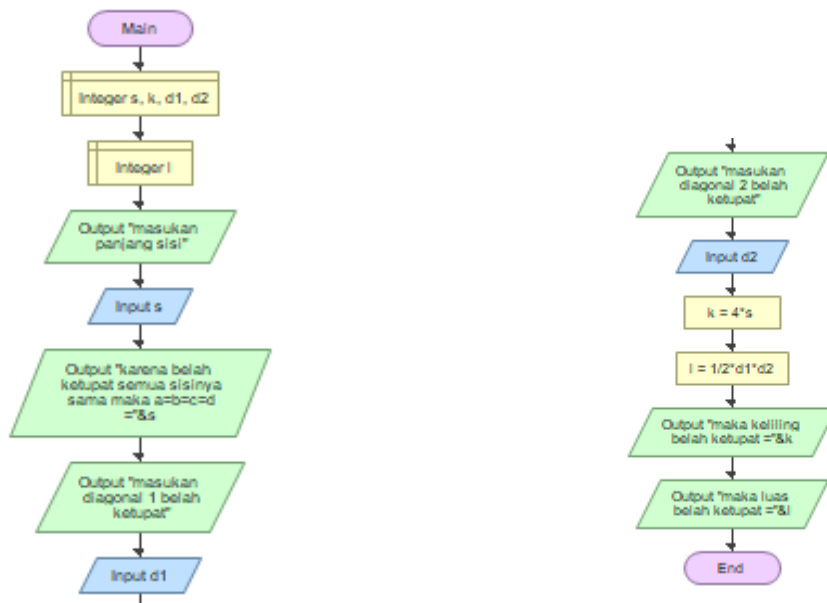
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

PS C:\Users\ASUS\Desktop\Fani> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/Desktop/Fani/persegil.py

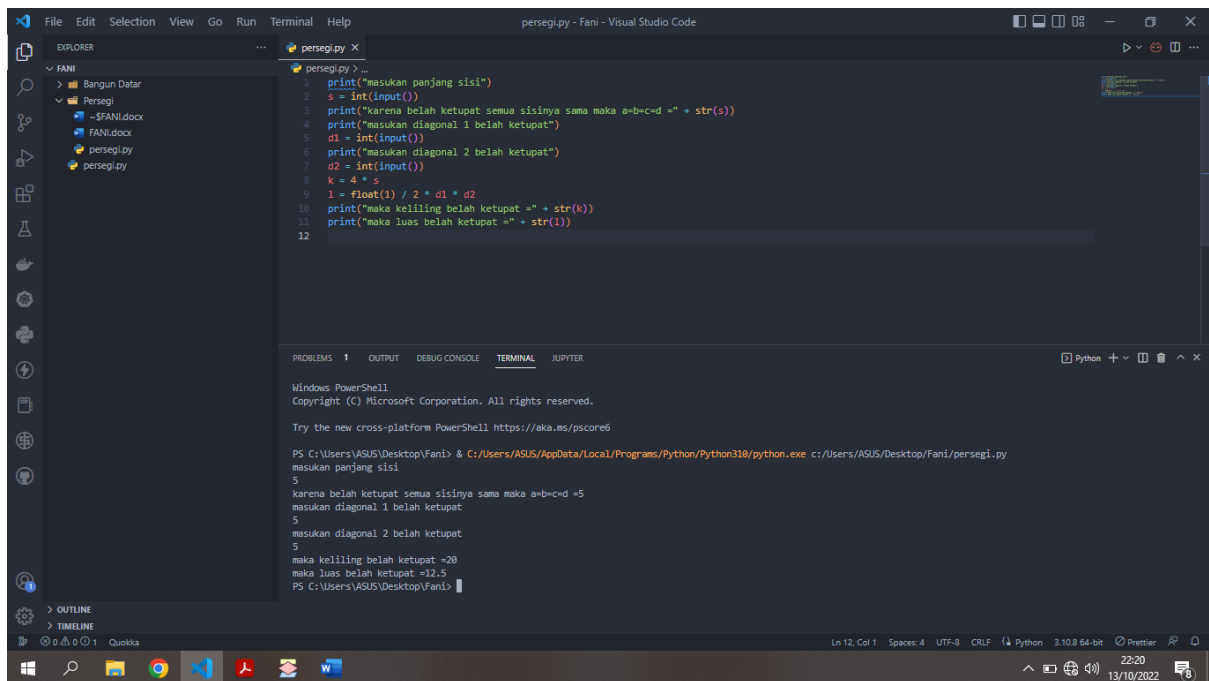
masukan panjang sisi a
5
masukan panjang sisi b
5
masukan panjang sisi b
5
masukan panjang sisi c
5
masukan tinggi segitiga
5
maka keliling segitiga =15
maka luas segitiga =12.5
PS C:\Users\ASUS\Desktop\Fani>

Belah ketupat

Flowgorithm



VSCode



```
File Edit Selection View Go Run Terminal Help
persegipy - Fani - Visual Studio Code

EXPLORER
FANI
  Bangun Datar
  Persegi
    ~$FANI.docx
    FANI.docx
    persegipy
    persegipy

persegipy.py
1 print("masukan panjang sisi")
2 s = int(input())
3 print("karena belah ketupat semua sisinya sama maka a=b=c=d =" + str(s))
4 print("masukan diagonal 1 belah ketupat")
5 d1 = int(input())
6 print("masukan diagonal 2 belah ketupat")
7 d2 = int(input())
8 k = 4 * s
9 l = float(1) / 2 * d1 * d2
10 print("maka keliling belah ketupat =" + str(k))
11 print("maka luas belah ketupat =" + str(l))
12

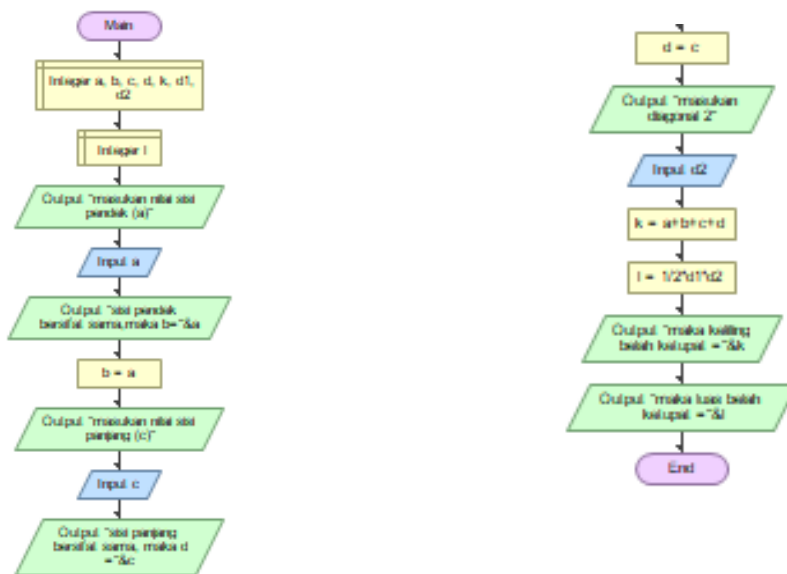
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

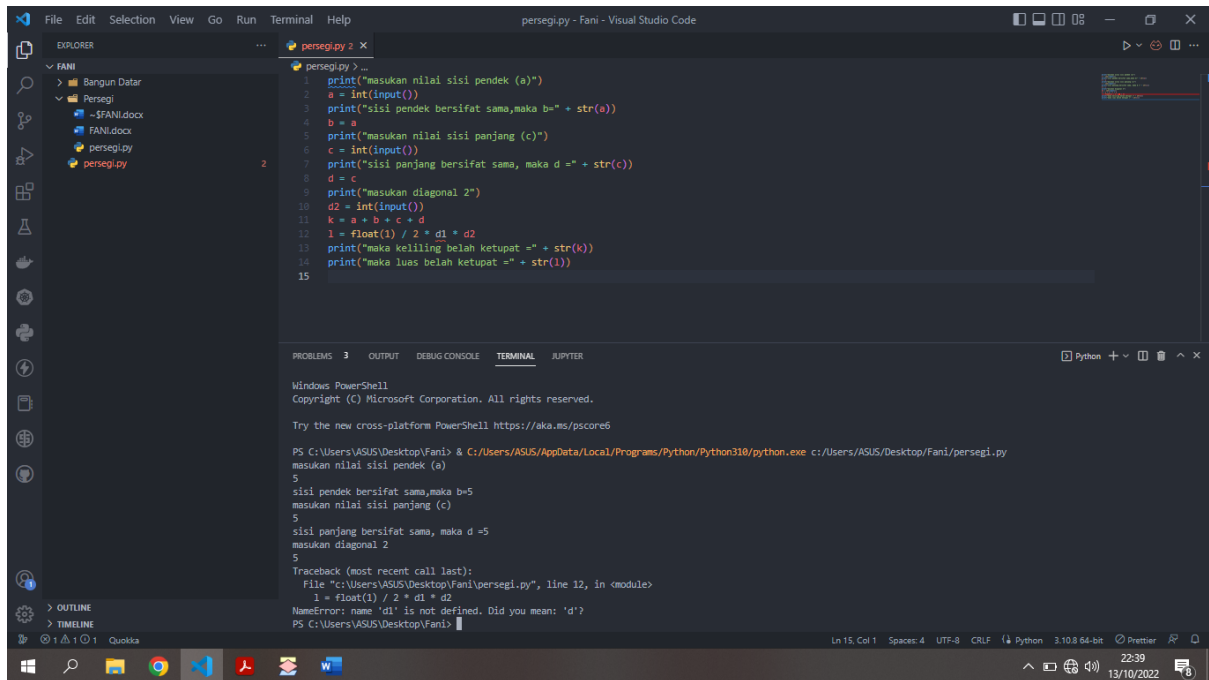
PS C:\Users\ASUS\Desktop\Fani> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe c:/Users/ASUS/Desktop/Fani/persegipy.py
masukan panjang sisi
5
karena belah ketupat semua sisinya sama maka a=b=c=d =5
masukan diagonal 1 belah ketupat
5
masukan diagonal 2 belah ketupat
5
maka keliling belah ketupat =20
maka luas belah ketupat =12.5
PS C:\Users\ASUS\Desktop\Fani>
```

Layang-layang

Flowarithm



VSCode



The screenshot shows the Visual Studio Code interface with a Python file named `persegi.py` open. The code calculates the perimeter and area of a rhombus based on user input. A `NameError` is present on line 12, where the variable `d1` is used but not defined. The terminal window shows the command to run the script and the resulting error message.

```
1 print("masukan nilai sisi pendek (a)")
2 a = int(input())
3 print("sisi pendek bersifat sama, maka b=" + str(a))
4 b = a
5 print("masukan nilai sisi panjang (c)")
6 c = int(input())
7 print("sisi panjang bersifat sama, maka d=" + str(c))
8 d = c
9 print("masukan diagonal 2")
10 d2 = int(input())
11 k = a + b + c + d
12 l = float(1) / 2 * d1 * d2
13 print("maka keliling belah ketupat =" + str(k))
14 print("maka luas belah ketupat =" + str(l))
15
```

PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

Windows PowerShell
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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS C:\Users\ASUS\Desktop\Fani> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ASUS\Desktop\Fani\persegi.py
masukan nilai sisi pendek (a)
5
sisi pendek bersifat sama, maka b=5
masukan nilai sisi panjang (c)
5
sisi panjang bersifat sama, maka d=5
masukan diagonal 2
5
Traceback (most recent call last):
 File "c:\Users\ASUS\Desktop\Fani\persegi.py", line 12, in <module>
 l = float(1) / 2 * d1 * d2
NameError: name 'd1' is not defined. Did you mean: 'd'?
PS C:\Users\ASUS\Desktop\Fani>

Ln 15, Col 1 Spaces: 4 UTF-8 CRLF Python 3.10.8 64-bit Premier 13/10/2022