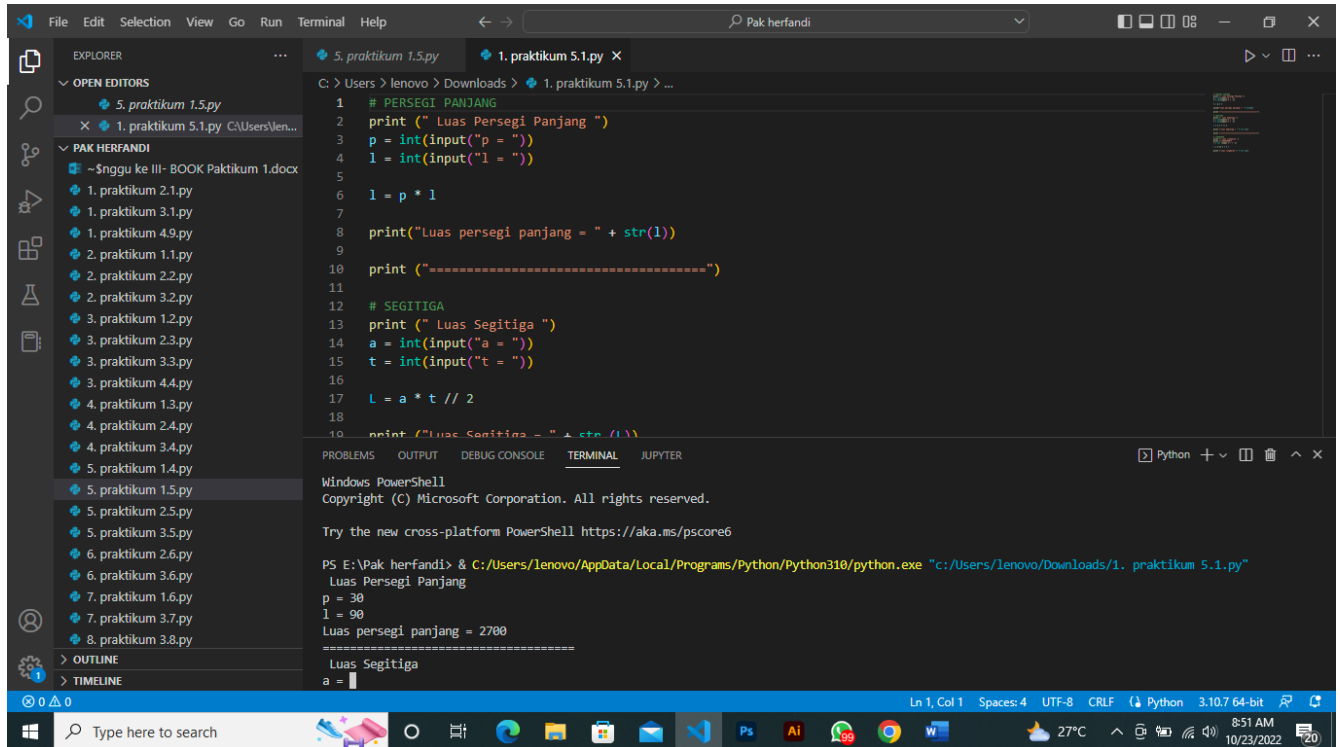


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➤ Praktikum 5

1. Praktikum 5.1

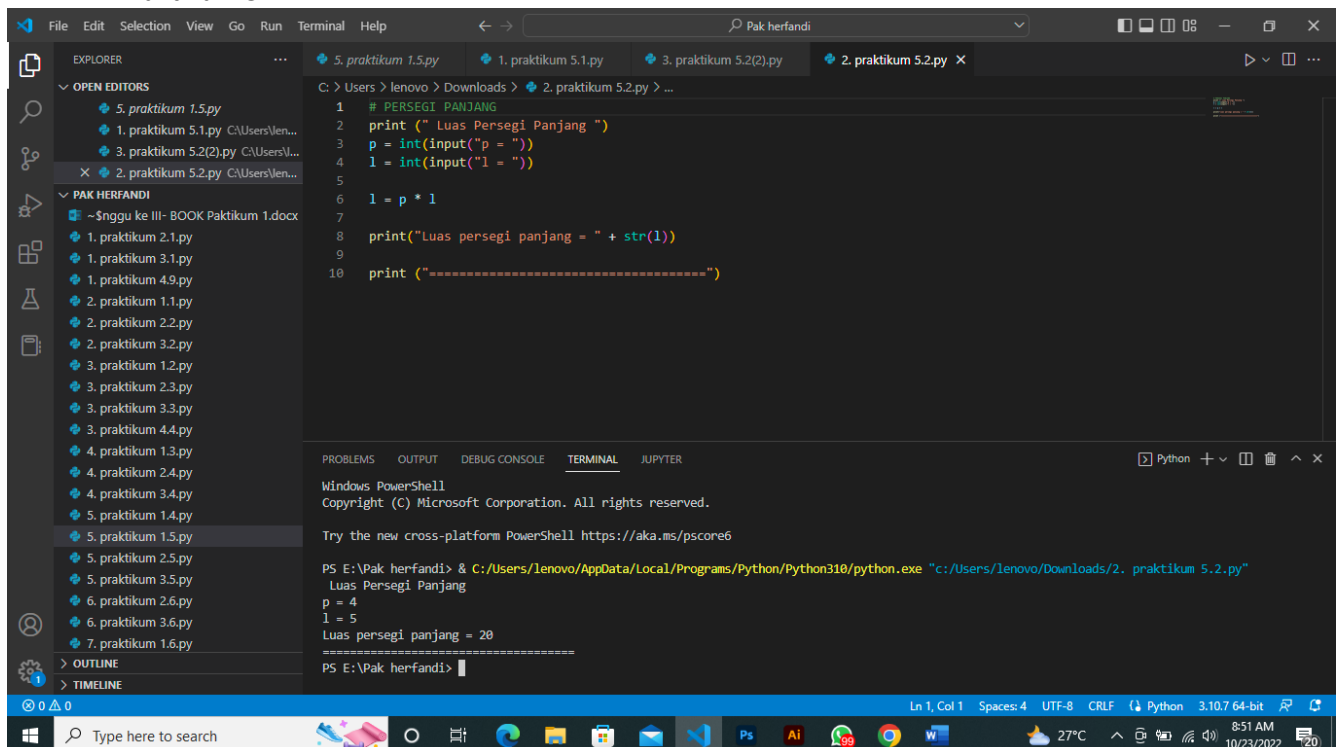


The screenshot shows the Visual Studio Code interface with the Explorer, Search, and Run and Debug panels. The Explorer panel shows the file structure of the project, including a folder named 'PAK HERFANDI' containing various Python files. The Search panel shows the results of a search for '1. praktikum 5.1.py'. The Run and Debug panel shows the execution of the script '1. praktikum 5.1.py' in a Python 3.10.7 environment. The terminal output shows the program's execution, including prompts for input and the resulting calculations for the area of a rectangle and a triangle.

```
C:\Users\lenovo\Downloads> 1. praktikum 5.1.py > ...  
1 # PERSEGI PANJANG  
2 print (" Luas Persegi Panjang ")  
3 p = int(input("p = "))  
4 l = int(input("l = "))  
5  
6 l = p * l  
7  
8 print("Luas persegi panjang = " + str(l))  
9  
10 print ("=====")  
11  
12 # SEGITIGA  
13 print (" Luas Segitiga ")  
14 a = int(input("a = "))  
15 t = int(input("t = "))  
16  
17 L = a * t // 2  
18  
19 print ("Luas Segitiga = " + str(L))  
20  
21
```

Windows PowerShell
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PS E:\Pak herfandi> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/lenovo/Downloads/1. praktikum 5.1.py"
Luas Persegi Panjang
p = 30
l = 90
Luas persegi panjang = 2700
=====
Luas Segitiga
a =

2. Praktikum 5.2



The screenshot shows the Visual Studio Code interface with the Explorer, Search, and Run and Debug panels. The Explorer panel shows the file structure of the project, including a folder named 'PAK HERFANDI' containing various Python files. The Search panel shows the results of a search for '2. praktikum 5.2.py'. The Run and Debug panel shows the execution of the script '2. praktikum 5.2.py' in a Python 3.10.7 environment. The terminal output shows the program's execution, including prompts for input and the resulting calculations for the area of a rectangle and a triangle.

```
C:\Users\lenovo\Downloads> 2. praktikum 5.2.py > ...  
1 # PERSEGI PANJANG  
2 print (" Luas Persegi Panjang ")  
3 p = int(input("p = "))  
4 l = int(input("l = "))  
5  
6 l = p * l  
7  
8 print("Luas persegi panjang = " + str(l))  
9  
10 print ("=====")  
11  
12 # SEGITIGA  
13 print (" Luas Segitiga ")  
14 a = int(input("a = "))  
15 t = int(input("t = "))  
16  
17 L = a * t // 2  
18  
19 print ("Luas Segitiga = " + str(L))  
20  
21
```

Windows PowerShell
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Try the new cross-platform PowerShell <https://aka.ms/pscore6>
PS E:\Pak herfandi> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/lenovo/Downloads/2. praktikum 5.2.py"
Luas Persegi Panjang
p = 4
l = 5
Luas persegi panjang = 20
=====
PS E:\Pak herfandi>

3. Praktikum 5.2(2)

The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left lists files under 'PAK HERFANDI', including '5. praktikum 1.5.py' through '7. praktikum 3.7.py'. The main editor window displays the file '3. praktikum 5.2(2).py' with the following Python code:

```
1 # SEGITIGA
2 print (" Luas Segitiga ")
3 a = int(input("a = "))
4 t = int(input("t = "))
5
6 L = a * t // 2
7
8 print ("Luas Segitiga = " + str (L))
9
10 print ("=====")
```

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

```
Windows PowerShell
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PS E:\Pak herfandi> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/lenovo/Downloads/3. praktikum 5.2(2).py"
Luas Segitiga
a = 4
t = 5
Luas Segitiga = 10
=====
PS E:\Pak herfandi>
```

4. Praktikum 5.2(3)

The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left lists files under 'PAK HERFANDI', including '5. praktikum 1.5.py' through '6. praktikum 3.6.py'. The main editor window displays the file '4. praktikum 5.2(3).py' with the following Python code:

```
1 # LINGKARAN
2 print (" Luas Lingkaran ")
3 print ("LINGKARAN")
4 r = int (input ("r = "))
5
6 L = 3.14 * r * r
7
8 print ("Luas lingkaran =" + str (L))
```

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

```
Windows PowerShell
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PS E:\Pak herfandi> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/lenovo/Downloads/4. praktikum 5.2(3).py"
Luas Lingkaran
LINGKARAN
r = 4
Luas lingkaran =50.24
PS E:\Pak herfandi> 5
5
PS E:\Pak herfandi>
```

5. Praktikum 5.3

The screenshot shows the Visual Studio Code interface. The Explorer panel on the left lists several Python files, with '5. praktikum 5.3.py' selected. The Editor panel displays the code for 'LuasSgt' function. The Terminal panel at the bottom shows the command to run the script and its output.

```
1 def LuasSgt (alas, tinggi) :  
2     segitiga = 1/2  
3     luas     = segitiga * (alas * tinggi)  
4     print(" Luas segitiga adalah :", luas)  
5  
6 LuasSgt(4, 5)
```

Terminal Output:

```
Windows PowerShell  
Copyright (c) Microsoft Corporation. All rights reserved.  
  
Try the new cross-platform PowerShell https://aka.ms/powershell  
PS E:\Pak herfandi> C:\Users\lenovo\AppData\Local\Programs\Python\Python310\python.exe "c:/Users/lenovo/Downloads/5. praktikum 5.3.py"  
Luas segitiga adalah : 10.0  
PS E:\Pak herfandi>
```

6. Praktikum 5.4

The screenshot shows the Visual Studio Code interface. The Explorer panel on the left lists several Python files, with '6. praktikum 5.4.py' selected. The Editor panel displays the code for creating a list and finding the maximum value. The Terminal panel at the bottom shows the command to run the script and its output.

```
1 listo = []  
2 n = int(input("Banyak Data : "))  
3  
4 print()  
5 for i in range(n):  
6     bil = int(input("masukkan bilangan ke-{} :".format(i + 1)))  
7     listo.append(bil)  
8  
9 print()  
10 print("List bilangan :", listo)  
11 print("\nBilangan didalam list yang menggunakan angka terbesar adalah :")  
12 print(max(listo))
```

Terminal Output:

```
Banyak Data : 4  
  
masukkan bilangan ke-1 :5  
masukkan bilangan ke-2 :6  
masukkan bilangan ke-3 :6  
masukkan bilangan ke-4 :6  
  
List bilangan : [5, 6, 6, 6]  
  
Bilangan didalam list yang menggunakan angka terbesar adalah :  
6  
PS E:\Pak herfandi>  
PS E:\Pak herfandi>
```

7. Praktikum 5.6

The screenshot shows the Visual Studio Code interface. The Explorer pane on the left lists files under 'PAK HERFANDI', including various 'praktikum' files. The Editor pane shows a Python file named '8. praktikum 5.6.py' with the following code:

```
1 import math
2 print("PROGRAM MENGHITUNG FAKTORIAL")
3 def faktorial (faktor):
4     rumus = math.factorial(faktor)
5     print (f"Faktor {faktor} : {rumus} ")
6
7 faktorial(10)
```

The Terminal pane at the bottom shows the command prompt output:

```
PS E:\Pak herfandi> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/lenovo/Downloads/8. praktikum 5.6.py"
PROGRAM MENGHITUNG FAKTORIAL
Faktor 10 : 3628800
PS E:\Pak herfandi>
```

8. Praktikum 5.7

The screenshot shows the Visual Studio Code interface. The Explorer pane on the left lists files under 'PAK HERFANDI', including various 'praktikum' files. The Editor pane shows a Python file named '9. praktikum 5.7.py' with the following code:

```
1 angka = [4,3,7,5]
2 angka_2 = [1,3,6,4]
3 jumlah_1 = sum(angka)
4 jumlah_2 = sum(angka_2)
5 total = sum(angka + angka_2)
6
7 print(f"List 1 : {angka}")
8 print(f"List 2 : {angka_2}")
9 print(f"Jumlah Nilai List 1 : {jumlah_1}")
10 print(f"Jumlah Nilai List 2 : {jumlah_2}")
11 print(f"Jumlah Nilai Kedua List : {total}")
```

The Terminal pane at the bottom shows the command prompt output:

```
PS E:\Pak herfandi> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/lenovo/Downloads/9. praktikum 5.7.py"
List 1 : [4, 3, 7, 5]
List 2 : [1, 3, 6, 4]
Jumlah Nilai List 1 : 19
Jumlah Nilai List 2 : 14
Jumlah Nilai Kedua List : 33
PS E:\Pak herfandi>
```