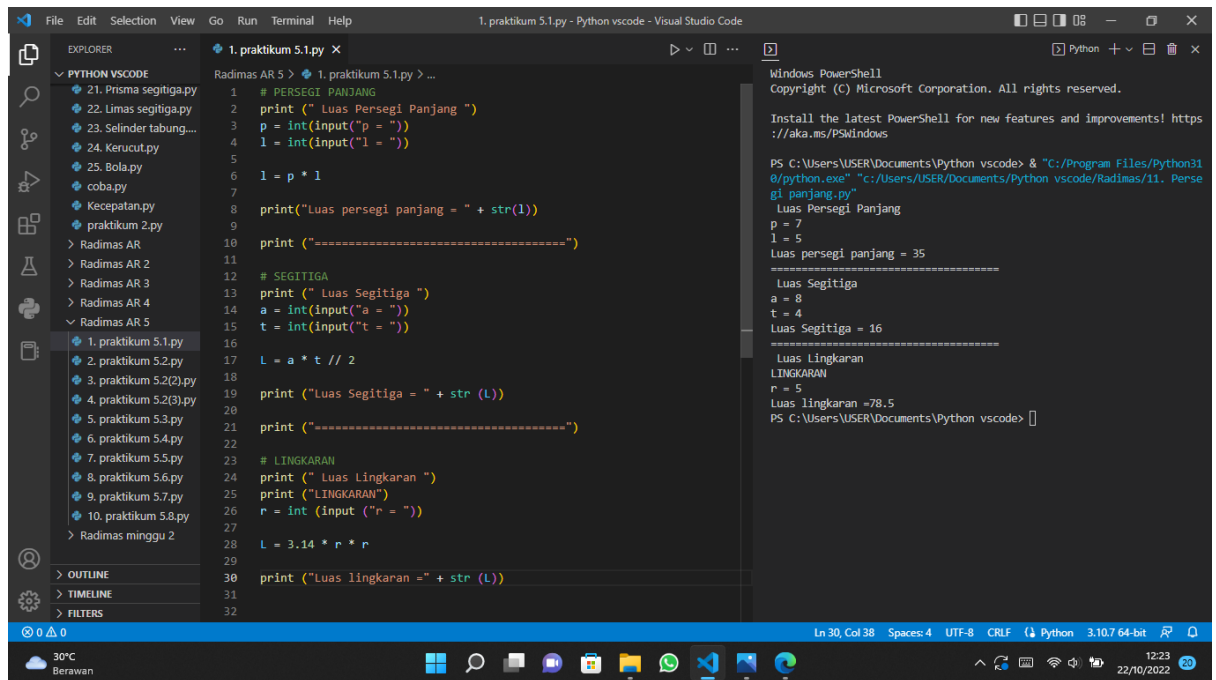


Nama : Radimas Audisyah Rahmana
Nim : 211001011
Kelas : D

➤ Praktikum 5

1. Praktikum 5.1



The screenshot shows the Visual Studio Code interface with a Python file named '1.praktikum 5.1.py' open. The code calculates the area of a square, triangle, and circle based on user input. The terminal window on the right shows the output of the program.

```
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 print ("=====")
22
23 # LINGKARAN
24 print (" Luas Lingkaran ")
25 print ("LINGKARAN")
26 r = int (input ("r = "))
27
28 L = 3.14 * r * r
29
30 print ("Luas lingkaran = " + str (L))
31
32
```

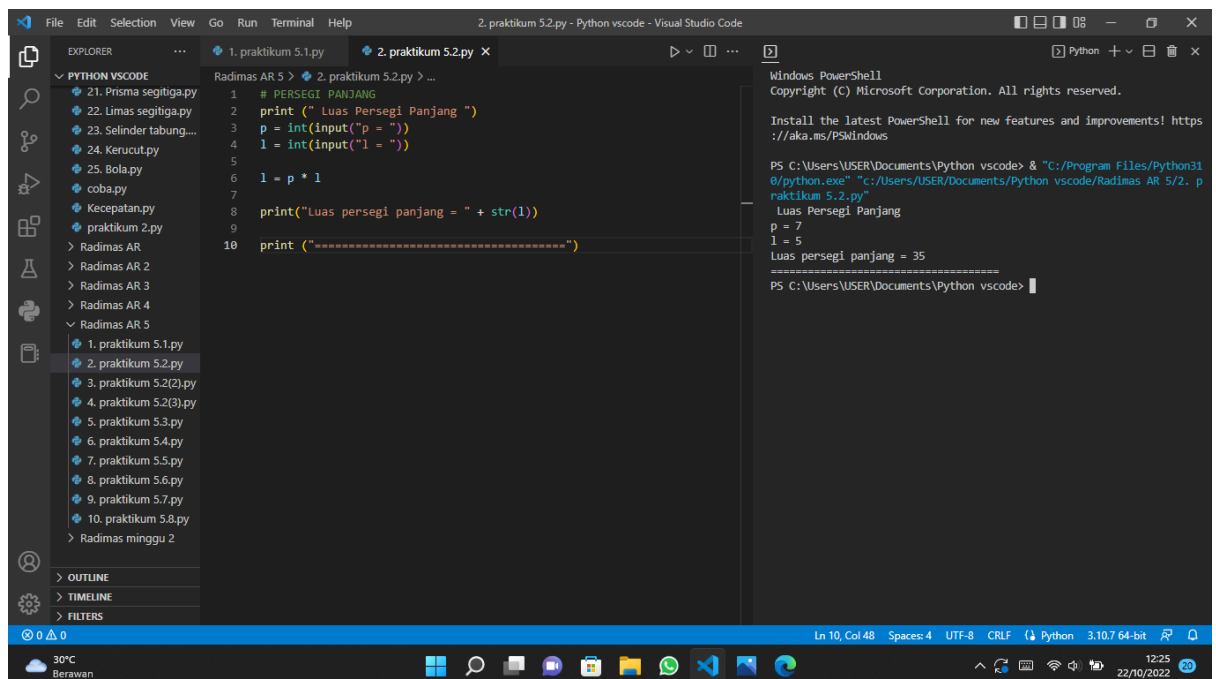
Terminal Output:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python318/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas/11. Persegi panjang.py"
Luas Persegi Panjang
p = 7
l = 5
Luas persegi panjang = 35
=====
Luas Segitiga
a = 8
t = 4
Luas Segitiga = 16
=====
Luas Lingkaran
LINGKARAN
r = 5
Luas lingkaran =78.5
PS C:\Users\USER\Documents\Python vscode>
```

2. Praktikum 5.2



The screenshot shows the Visual Studio Code interface with a Python file named '2.praktikum 5.2.py' open. The code calculates the area of a square, triangle, and circle based on user input. The terminal window on the right shows the output of the program.

```
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 ("=====")
```

Terminal Output:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python318/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas AR 5/2. p
raktikum 5.2.py"
Luas Persegi Panjang
p = 7
l = 5
Luas persegi panjang = 35
=====
PS C:\Users\USER\Documents\Python vscode>
```

3. Praktikum 5.2(2)

The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying a project named 'Radimas AR 5'. The file '3. praktikum 5.2(2).py' is selected. The editor window shows 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 window on the right shows the execution of the program in a Windows PowerShell environment. The output is as follows:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas AR 5/3. praktikum 5.2(2).py"
Luas Segitiga
a = 8
t = 4
Luas Segitiga = 16
=====
PS C:\Users\USER\Documents\Python vscode>
```

The status bar at the bottom indicates the file is at line 10, column 49, with 4 spaces, UTF-8 encoding, and CRLF line endings. The system tray shows a temperature of 30°C and the date 22/10/2022.

4. Praktikum 5.2(3)

The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying a project named 'Radimas AR 5'. The file '4. praktikum 5.2(3).py' is selected. The editor window shows 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 window on the right shows the execution of the program in a Windows PowerShell environment. The output is as follows:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas AR 5/4. praktikum 5.2(3).py"
Luas Lingkaran
LINGKARAN
r = 5
Luas lingkaran =78.5
PS C:\Users\USER\Documents\Python vscode>
```

The status bar at the bottom indicates the file is at line 8, column 38, with 4 spaces, UTF-8 encoding, and CRLF line endings. The system tray shows a temperature of 30°C and the date 22/10/2022.

5. Praktikum 5.3

The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying a project named 'PYTHON VSCODE'. The file '5. praktikum 5.3.py' is selected. The code editor shows the following Python code:

```
1 def LuasSgt (alas, tinggi) :  
2     segitiga = 1/2  
3     luas     = segitiga * (alas * tinggi)  
4     print(" Luas segitiga adalah :", luas)  
5  
6 LuasSgt(3, 7) |
```

The output window on the right shows the execution of the script in a PowerShell terminal:

```
Windows PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
  
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows  
  
PS C:\Users\USER\Documents\Python vscodex> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscodex/Radimas AR 5/5. praktikum 5.3.py"  
Luas segitiga adalah : 10.5  
PS C:\Users\USER\Documents\Python vscodex>
```

6. Praktikum 5.4

The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying a project named 'PYTHON VSCODE'. The file '6. praktikum 5.4.py' is selected. The code editor shows the following Python code:

```
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))
```

The output window on the right shows the execution of the script in a PowerShell terminal:

```
Windows PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
  
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows  
  
PS C:\Users\USER\Documents\Python vscodex> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscodex/Radimas AR 5/6. praktikum 5.4.py"  
Banyak Data : 5  
  
masukkan bilangan ke-1 : 2  
masukkan bilangan ke-2 : 4  
masukkan bilangan ke-3 : 6  
masukkan bilangan ke-4 : 8  
masukkan bilangan ke-5 : 10  
  
List bilangan : [2, 4, 6, 8, 10]  
  
Bilangan didalam list yang menggunakan angka terbesar adalah :  
10  
PS C:\Users\USER\Documents\Python vscodex>
```

7. Praktikum 5.6

The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying a project named 'PYTHON VSCODE'. The file '8. praktikum 5.6.py' is selected. The code editor shows the following Python 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(8)
```

The terminal on the right shows the output of the program:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! http
s://aka.ms/PSWindows

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python3
10/python.exe" "C:/Users/USER/Documents/Python vscode/Radimas AR 5/8.
praktikum 5.6.py"
PROGRAM MENGHITUNG FAKTORIAL
Faktor 8 : 40320
PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python3
10/python.exe" "C:/Users/USER/Documents/Python vscode/Radimas AR 5/8.
praktikum 5.6.py"
PROGRAM MENGHITUNG FAKTORIAL
Faktor 8 : 40320
PS C:\Users\USER\Documents\Python vscode>
```

The status bar at the bottom indicates the file is at line 7, column 14, with 4 spaces, UTF-8 encoding, and CRLF line endings. The system tray shows a temperature of 33°C and the date 22/10/2022.

8. Praktikum 5.7

The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying a project named 'PYTHON VSCODE'. The file '9. praktikum 5.7.py' is selected. The code editor shows the following Python code:

```
1 angka = [3,2,4,6,]
2 angka_2 = [5,7,1,9]
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 on the right shows the output of the program:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! http
s://aka.ms/PSWindows

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python3
10/python.exe" "C:/Users/USER/Documents/Python vscode/Radimas AR 5/9.
praktikum 5.7.py"
List 1 : [3, 2, 4, 6]
List 2 : [5, 7, 1, 9]
Jumlah Nilai List 1 : 15
Jumlah Nilai List 2 : 22
Jumlah Nilai Kedua List : 37
PS C:\Users\USER\Documents\Python vscode>
```

The status bar at the bottom indicates the file is at line 11, column 45, with 4 spaces, UTF-8 encoding, and CRLF line endings. The system tray shows a temperature of 33°C and the date 22/10/2022.