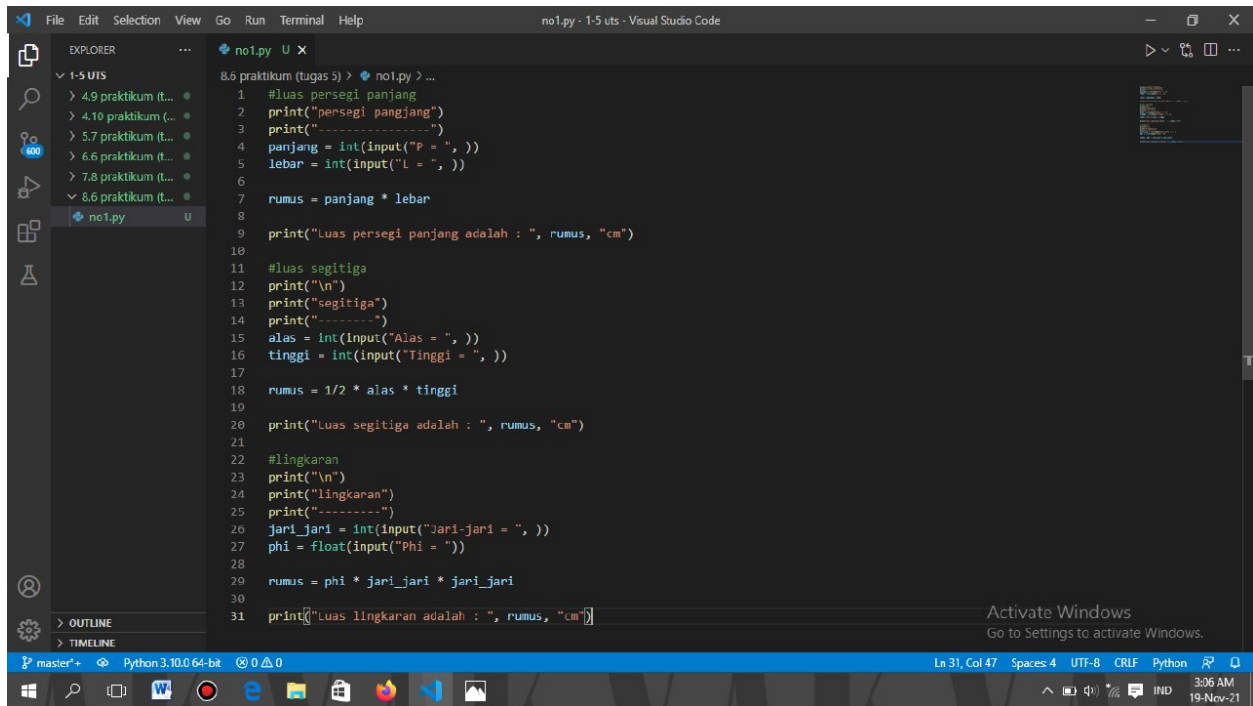


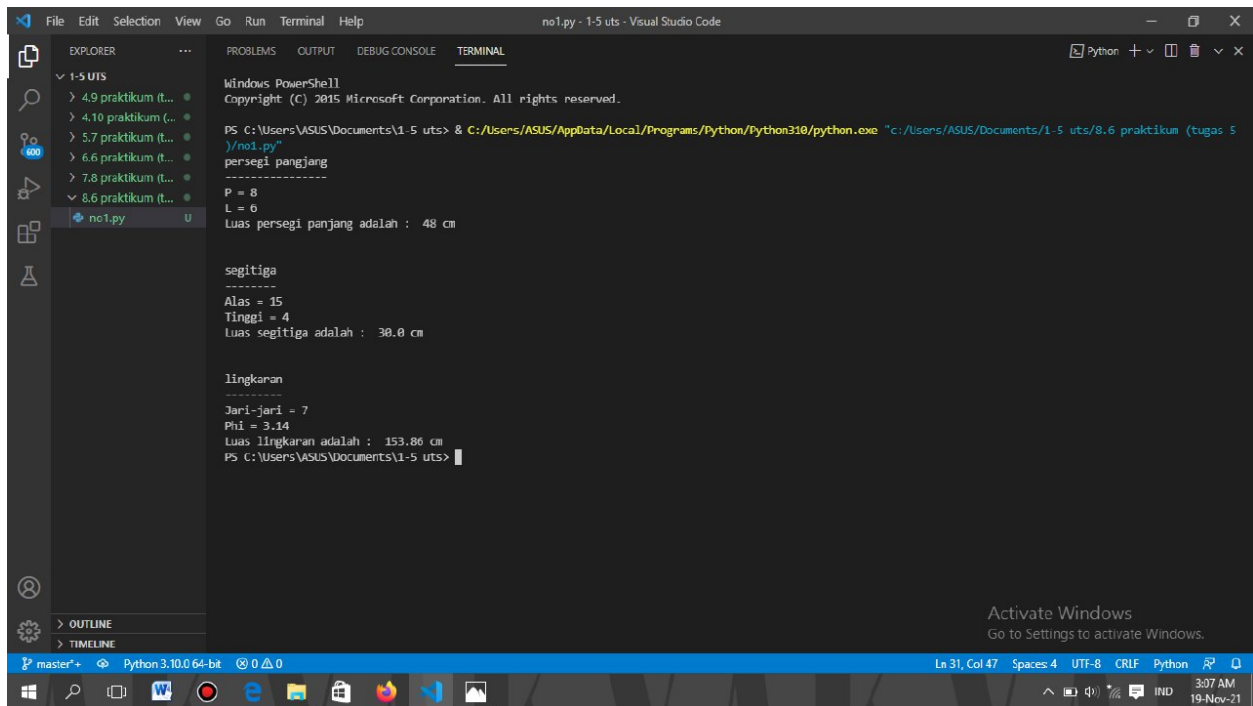
1.



```
no1.py U X
8.6 praktikum (tugas 5) > no1.py > ...
1 #luas persegi panjang
2 print("persegi panjang")
3 print("-----")
4 panjang = int(input("P = "))
5 lebar = int(input("L = "))
6
7 rumus = panjang * lebar
8
9 print("Luas persegi panjang adalah : ", rumus, "cm")
10
11 #luas segitiga
12 print("\n")
13 print("segitiga")
14 print("-----")
15 alas = int(input("Alas = "))
16 tinggi = int(input("Tinggi = "))
17
18 rumus = 1/2 * alas * tinggi
19
20 print("Luas segitiga adalah : ", rumus, "cm")
21
22 #lingkaran
23 print("\n")
24 print("lingkaran")
25 print("-----")
26 jari_jari = int(input("Jari-jari = "))
27 phi = float(input("Phi = "))
28
29 rumus = phi * jari_jari * jari_jari
30
31 print("Luas lingkaran adalah : ", rumus, "cm")
```

Activate Windows
Go to Settings to activate Windows.

master+ Python 3.10.0 64-bit 0 0 Ln 31, Col 47 Spaces 4 UTF-8 CRLF Python 3:06 AM 19-Nov-21



```
no1.py U X
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Windows PowerShell
Copyright (C) 2015 Microsoft Corporation. All rights reserved.

PS C:\Users\ASUS\Documents> 1.5 uts & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe "c:\Users\ASUS\Documents\1-5 uts\8.6 praktikum (tugas 5
)/no1.py"
persegi panjang
-----
P = 8
L = 6
Luas persegi panjang adalah : 48 cm

segitiga
-----
Alas = 15
Tinggi = 4
Luas segitiga adalah : 30.0 cm

lingkaran
-----
Jari-jari = 7
Phi = 3.14
Luas lingkaran adalah : 153.86 cm
PS C:\Users\ASUS\Documents> 1-5 uts> |
```

Activate Windows
Go to Settings to activate Windows.

master+ Python 3.10.0 64-bit 0 0 Ln 31, Col 47 Spaces 4 UTF-8 CRLF Python 3:07 AM 19-Nov-21

2. A

The screenshot shows the Visual Studio Code interface with a file explorer on the left, a code editor in the center, and a terminal at the bottom. The file explorer shows a project named '1-5 uts' with several files, including 'no 2 a.py'. The code editor displays the following Python code:

```
8.6 praktikum (tugas 5) > no 2 a.py > ...
1 print("persegi panjang")
2 print("-----")
3 panjang = int(input("p = ", ))
4 lebar = int(input("l = ", ))
5
6 rumus = panjang * lebar
7
8 print("Luas persegi panjang adalah : ", rumus, "cm")
9
```

The terminal shows the execution of the script:

```
Windows PowerShell
Copyright (C) 2015 Microsoft Corporation. All rights reserved.

PS C:\Users\ASUS\Documents\1-5 uts> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1-5 uts/8.6 praktikum (tugas 5) /no 2 a.py"
persegi panjang
-----
p = 8
l = 6
Luas persegi panjang adalah : 48 cm
PS C:\Users\ASUS\Documents\1-5 uts>
```

B

The screenshot shows the Visual Studio Code interface with a file explorer on the left, a code editor in the center, and a terminal at the bottom. The file explorer shows a project named '1-5 uts' with several files, including 'no 2 b.py'. The code editor displays the following Python code:

```
8.6 praktikum (tugas 5) > no 2 b.py > ...
1 print("segitiga")
2 print("-----")
3 alas = int(input("Alas = ", ))
4 tinggi = int(input("Tinggi = ", ))
5
6 rumus = 1/2 * alas * tinggi
7
8 print("Luas segitiga adalah : ", rumus, "cm")
9
```

The terminal shows the execution of the script:

```
Windows PowerShell
Copyright (C) 2015 Microsoft Corporation. All rights reserved.

PS C:\Users\ASUS\Documents\1-5 uts> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1-5 uts/8.6 praktikum (tugas 5) /no 2 b.py"
segitiga
-----
Alas = 15
Tinggi = 4
Luas segitiga adalah : 30.0 cm
PS C:\Users\ASUS\Documents\1-5 uts>
```

C

The screenshot shows the Visual Studio Code interface with a file explorer on the left, a code editor in the center, and a terminal at the bottom. The file explorer shows a project named '1-5 uts' with several files, including 'no 2.c.py'. The code editor displays a Python script for calculating the area of a circle. The terminal shows the command to run the script and the resulting output.

```
File Edit Selection View Go Run Terminal Help
no 2.c.py - 1-5 uts - Visual Studio Code

EXPLORER
1-5 uts
  > 4.9 praktikum (t...
  > 4.10 praktikum (...
  > 5.7 praktikum (t...
  > 6.6 praktikum (t...
  > 7.8 praktikum (t...
  > 8.6 praktikum (t...
    no 2.a.py U
    no 2.b.py U
    no 2.c.py U
    no 1.py U

8.6 praktikum (tugas 5) > no 2.c.py > ...
1 print("lingkaran")
2 print("-----")
3 jari_jari = int(input("Jari jari = ", ))
4 phi = float(input("Phi = "))
5
6 rumus = phi * jari_jari * jari_jari
7
8 print("Luas lingkaran adalah : ", rumus, "cm")

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Windows PowerShell
Copyright (C) 2015 Microsoft Corporation. All rights reserved.

PS C:\Users\ASUS\Documents\1-5 uts> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1-5 uts/8.6 praktikum (tugas 5)/no 2.c.py"
lingkaran
-----
Jari-jari = 7
Phi = 3.14
Luas lingkaran adalah : 153.86 cm
PS C:\Users\ASUS\Documents\1-5 uts>
```

3.

The screenshot shows the Visual Studio Code interface with a file explorer on the left, a code editor in the center, and a terminal at the bottom. The file explorer shows a project named '1-5 uts' with several files, including 'no 3.py'. The code editor displays a Python script for calculating the area of a triangle. The terminal shows the command to run the script and the resulting output.

```
File Edit Selection View Go Run Terminal Help
no 3.py - 1-5 uts - Visual Studio Code

EXPLORER
1-5 uts
  > 4.9 praktikum (t...
  > 4.10 praktikum (...
  > 5.7 praktikum (t...
  > 6.6 praktikum (t...
  > 7.8 praktikum (t...
  > 8.6 praktikum (t...
    no 2.a.py U
    no 2.b.py U
    no 2.c.py U
    no 1.py U
    no 3.py U

no 3.py > ...
1 print("menghitung luas segitiga")
2 print("-----")
3
4 alas = float(input("Masukkan alasnya = "))
5 tinggi = float(input("Masukkan tingginya = "))
6
7 def luasSgt(alas, tinggi):
8     luas = (alas*tinggi)/2
9     return luas
10
11 luas = luasSgt(alas, tinggi)
12 print("Luas segitiga adalah : ", luas, "cm")

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Windows PowerShell
Copyright (C) 2015 Microsoft Corporation. All rights reserved.

PS C:\Users\ASUS\Documents\1-5 uts> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1-5 uts/no 3.py"
menghitung luas segitiga
-----
Masukkan alasnya = 15
Masukkan tingginya = 4
Luas segitiga adalah : 30.0 cm
PS C:\Users\ASUS\Documents\1-5 uts>
```

4.

The screenshot shows the Visual Studio Code interface with a Python file named `no 4.py` open. The code defines a list `data_nilai` and uses a `while` loop to find the maximum and minimum values. The terminal output shows the execution results.

```
1 data_nilai = [10, 13, 20, 5, 100, 1, -3]
2 max = data_nilai[0]
3 min = data_nilai[0]
4 k=0
5
6 while (k < len(data_nilai)):
7     if (data_nilai[k] > max):
8         max = data_nilai[k]
9         i_max = k
10    if (data_nilai[k] < min):
11        min = data_nilai[k]
12    k = k + 1
13 else :
14     print("data terbesar : ", max)
15     print("indeks ke : ", i_max)
16     print("data terkecil : ", min)
```

Terminal Output:

```
PS C:\Users\ASUS\Documents\1-5 uts> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1-5 uts/no 4.py"
data terbesar : 100
indeks ke : 4
data terkecil : -3
PS C:\Users\ASUS\Documents\1-5 uts>
```

6.

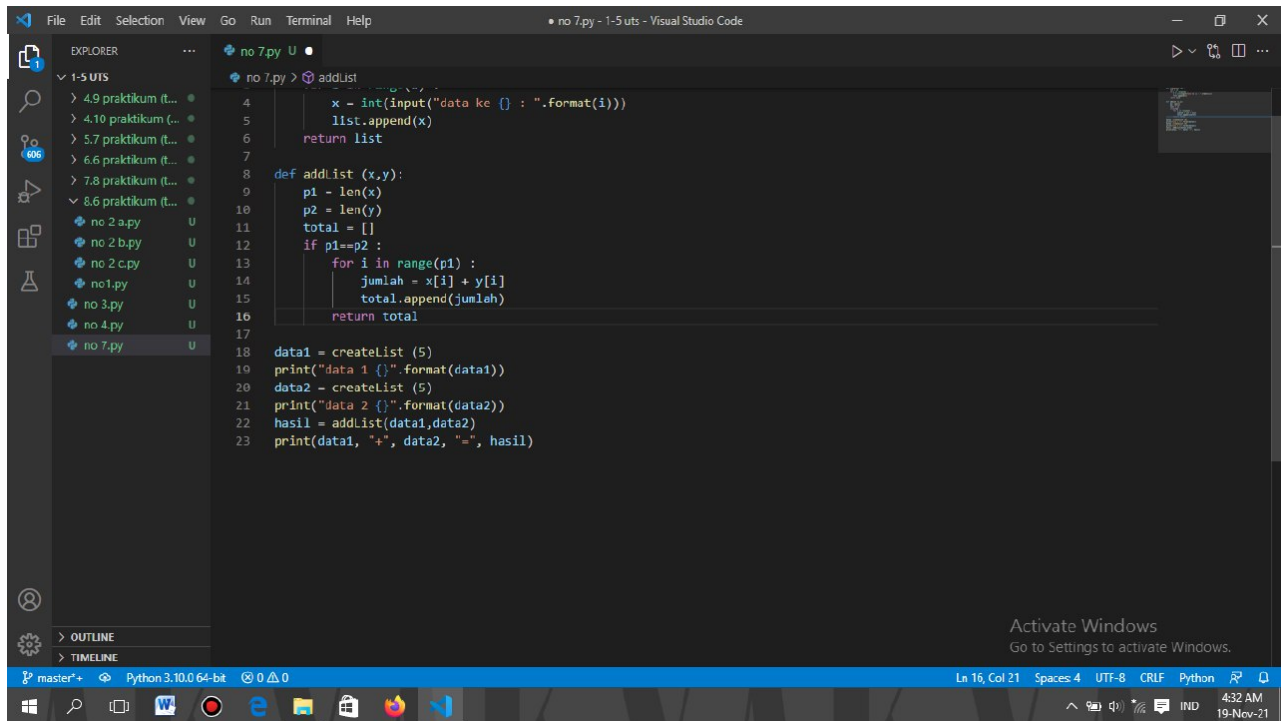
The screenshot shows the Visual Studio Code interface with a Python file named `no 6.py` open. The code defines a recursive function `a(n)` to calculate the factorial of a number. The terminal output shows the execution results for `n=4`.

```
1 def a(n):
2     if n==0:
3         return 1
4     else:
5         return n*a(n-1)
6 n = int(input("bil : "))
7 print(n, "! =", a(n) )
```

Terminal Output:

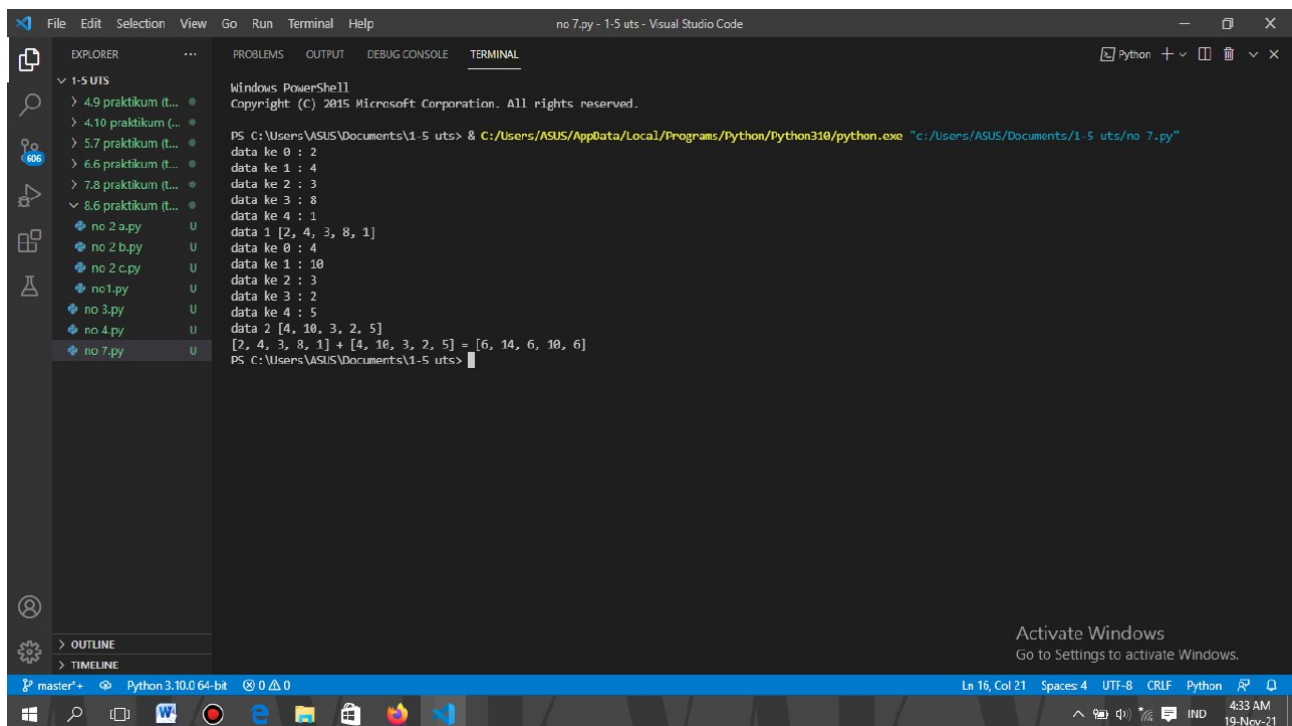
```
PS C:\Users\ASUS\Documents\1-5 uts> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1-5 uts/no 6.py"
bil : 4
4 ! = 24
PS C:\Users\ASUS\Documents\1-5 uts>
```

7.



The screenshot shows the Visual Studio Code editor with a Python file named 'no 7.py'. The code defines a function 'addList' that takes two lists 'x' and 'y' as input and returns a new list containing the element-wise sum of 'x' and 'y'. The function uses a loop to iterate over the range of the first list and calculates the sum of corresponding elements. Below the function, there is a test code that creates two lists 'data1' and 'data2', calls 'addList' with these lists, and prints the result 'hasil'.

```
no 7.py U
4     x = int(input("data ke {}: ".format(i)))
5     list.append(x)
6     return list
7
8     def addList (x,y):
9         p1 = len(x)
10        p2 = len(y)
11        total = []
12        if p1==p2 :
13            for i in range(p1) :
14                jumlah = x[i] + y[i]
15                total.append(jumlah)
16        return total
17
18    data1 = createList (5)
19    print("data 1 {}".format(data1))
20    data2 = createList (5)
21    print("data 2 {}".format(data2))
22    hasil = addList(data1,data2)
23    print(data1, "+", data2, "=", hasil)
```



The screenshot shows the Visual Studio Code terminal window with the output of the Python script 'no 7.py'. The terminal displays the input data for 'data 1' and 'data 2', and the resulting 'hasil' (result) which is the element-wise sum of the two lists. The output shows that the function correctly calculates the sum of the two lists.

```
Windows PowerShell
Copyright (C) 2015 Microsoft Corporation. All rights reserved.

PS C:\Users\ASUS\Documents\1-5 uts> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1-5 uts/no 7.py"
data ke 0 : 2
data ke 1 : 4
data ke 2 : 3
data ke 3 : 8
data ke 4 : 1
data 1 [2, 4, 3, 8, 1]
data ke 0 : 4
data ke 1 : 10
data ke 2 : 3
data ke 3 : 2
data ke 4 : 5
data 2 [4, 10, 3, 2, 5]
[2, 4, 3, 8, 1] + [4, 10, 3, 2, 5] = [6, 14, 6, 10, 6]
PS C:\Users\ASUS\Documents\1-5 uts>
```