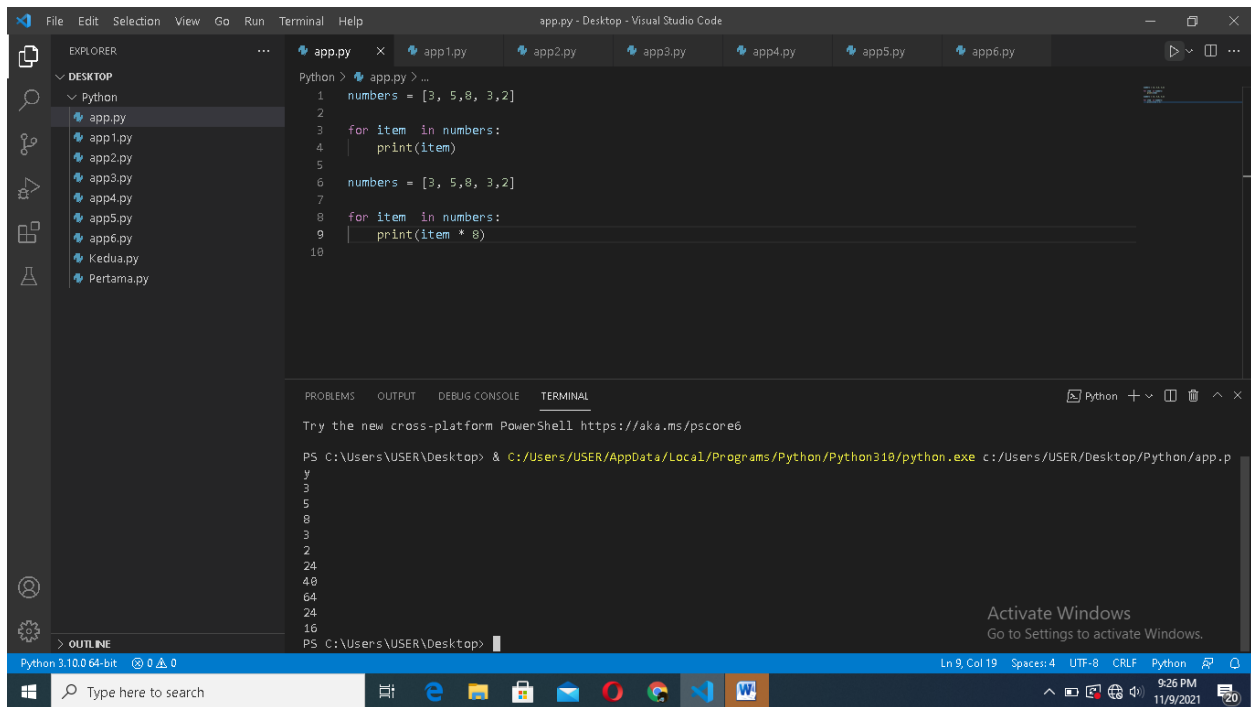


NAMA : ARMANITA ANING

NIM : 20.01.013.002

TUGAS : PYTHON 4

1. PERULANGAN FOR



```
File Edit Selection View Go Run Terminal Help
app.py - Desktop - Visual Studio Code

EXPLORER
DESKTOP
Python
app.py
app1.py
app2.py
app3.py
app4.py
app5.py
app6.py
Kedua.py
Pertama.py

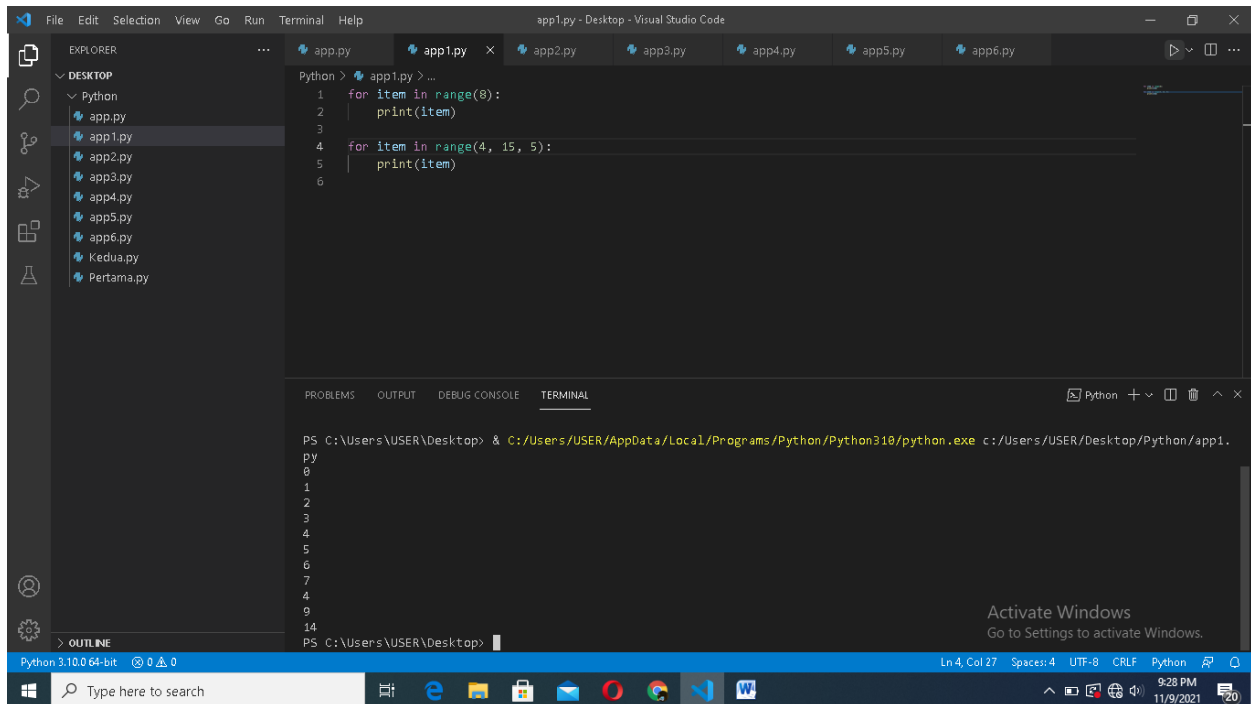
Python > app.py > ...
1 numbers = [3, 5, 8, 3, 2]
2
3 for item in numbers:
4     print(item)
5
6 numbers = [3, 5, 8, 3, 2]
7
8 for item in numbers:
9     print(item * 8)
10

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\USER\Desktop> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/USER/Desktop/Python/app.p
y
3
5
8
3
2
24
40
64
24
16

Activate Windows
Go to Settings to activate Windows.

Python 3.10.0 64-bit 0 0 0
Type here to search 9:26 PM 11/9/2021
```



```
File Edit Selection View Go Run Terminal Help
app1.py - Desktop - Visual Studio Code

EXPLORER
DESKTOP
Python
app.py
app1.py
app2.py
app3.py
app4.py
app5.py
app6.py
Kedua.py
Pertama.py

Python > app1.py > ...
1 for item in range(8):
2     print(item)
3
4 for item in range(4, 15, 5):
5     print(item)
6

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS C:\Users\USER\Desktop> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/USER/Desktop/Python/app1.
py
0
1
2
3
4
5
6
7
8
14

Activate Windows
Go to Settings to activate Windows.

Python 3.10.0 64-bit 0 0 0
Type here to search 9:28 PM 11/9/2021
```

2. LIST

```
Python > app2.py > ...
1 names = ["Aning", "Nina", "Irah", "Irma", "Nisma"]
2
3 print(names)
4
5 names = ["Aning", "Nina", "Irah", "Irma", "Nisma"]
6
7 print(names[0])
8
9 names = ["Aning", "Nina", "Irah", "Irma", "Nisma"]
10
11 print(names[2 : 5])
12
13 names = ["Aning", "Nina", "Irah", "Irma", "Nisma"]
14
15 print(names[-5])
16
17 names = ["Aning", "Nina", "Irah", "Irma", "Nisma"]
18
19 for name in names:
20     print(f"Nama : {name}")
21
```

```
Python > app2.py > ...
1 names = ["Aning", "Nina", "Irah", "Irma", "Nisma"]
2
3 print(names)
4
5 names = ["Aning", "Nina", "Irah", "Irma", "Nisma"]
6
7 print(names[0])
8
9 names = ["Aning", "Nina", "Irah", "Irma", "Nisma"]
10
11 print(names[2 : 5])
12
13 names = ["Aning", "Nina", "Irah", "Irma", "Nisma"]
14
15 print(names[-5])
16
17 names = ["Aning", "Nina", "Irah", "Irma", "Nisma"]
18
19 for name in names:
20     print(f"Nama : {name}")
21
```

```

Nama : Irah
Nama : Irma
Nama : Nisma
PS C:\Users\USER\Desktop> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/USER/Desktop/Python/app2.py
["Aning", "Nina", "Irah", "Irma", "Nisma"]
Aning
["Irah", "Irma", "Nisma"]
Aning
Nama : Aning
Nama : Nina
Nama : Irah
Nama : Irma
Nama : Nisma
PS C:\Users\USER\Desktop>
```

3. LIST METHOD

```
Python > app3.py > ...
1 numbers = [4, 5, 6, 8, 10]
2 print(numbers)
3
4 numbers.append(77)
5 print(numbers)
6
7 numbers.insert(4, 100)
8 print(numbers)
9
10 numbers.pop()
11 print(numbers)
12
13 numbers.remove(8)
14 print(numbers)
15
16 numbers.sort()
17 print(numbers)
18
```

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

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

PS C:\Users\USER\Desktop> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/USER/Desktop/Python/app3.py
[4, 5, 6, 8, 10]
[4, 5, 6, 8, 10, 77]
[4, 5, 6, 8, 100, 10, 77]
[4, 5, 6, 8, 100, 10]
[4, 5, 6, 100, 10]
[4, 5, 6, 10, 100]
```

4. MENJUMLAHKAN LIST

```
Python > app4.py > ...
1 numbers = [3, 5, 4, 8, 9]
2 print(numbers)
3
4 init_number = 1
5
6 for number in numbers:
7     init_number = init_number + number
8
9 print(init_number)
```

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

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

PS C:\Users\USER\Desktop> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/USER/Desktop/Python/app4.py
[3, 5, 4, 8, 9]
30
```

5. MENCARI ANGKA MAX

The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying a directory structure under 'DESKTOP' containing files like app.py, app1.py, app2.py, app3.py, app4.py, app5.py, app6.py, Kedula.py, and Pertama.py. The main editor window displays the code for app5.py:

```
Python > app5.py > ...
1 numbers = [4, 5, 4, 8, 9]
2
3 max_number = max(numbers)
4 print(max_number)
5
6 numbers.sort()
7 max_number = numbers[-1]
8
9 print(max_number)
10
11 max_number = numbers[1]
12
13 for number in numbers:
14     if number > max_number:
15         max_number = number
16
17 print(max_number)
18
```

The terminal at the bottom shows the execution of the script:

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

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

PS C:\Users\USER\Desktop> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/USER/Desktop/Python/app5.py
9
9
9
30
PS C:\Users\USER\Desktop>
```

The status bar at the bottom indicates 'Python 3.10.0 64-bit' and 'Ln 1, Col 25'.

6. TUPLE

The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying the same directory structure. The main editor window displays the code for app6.py:

```
Python > app6.py > ...
1 numbers = [4, 5, 4, 8, 9]
2 print(numbers)
3 numbers[2] = 14
4 print(numbers)
5
```

The terminal at the bottom shows the execution of the script:

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

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

PS C:\Users\USER\Desktop> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/USER/Desktop/Python/app6.py
[4, 5, 4, 8, 9]
[4, 5, 14, 8, 9]
PS C:\Users\USER\Desktop>
```

The status bar at the bottom indicates 'Python 3.10.0 64-bit' and 'Ln 3, Col 10'.