

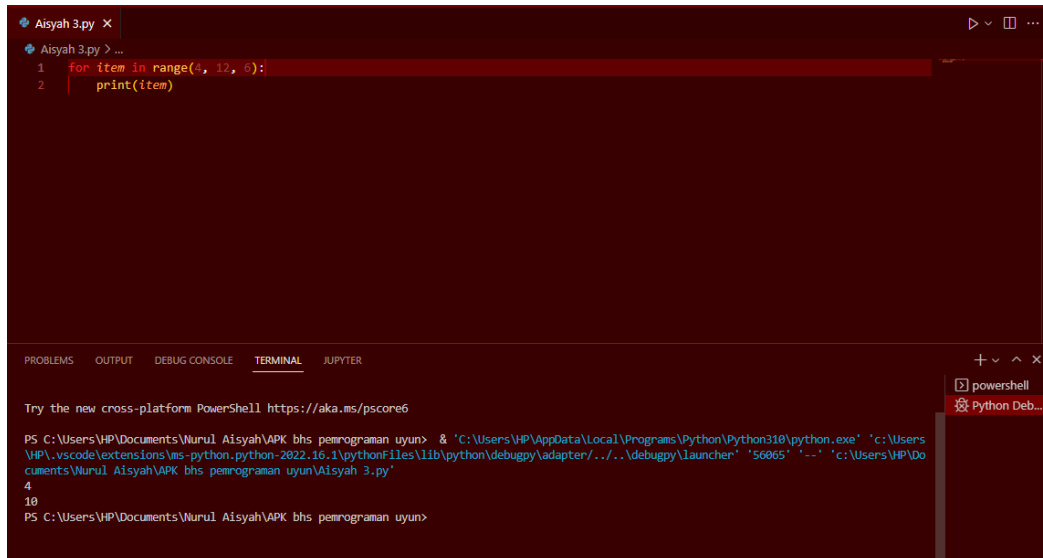
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NIM : 211001042

KELAS : 3D INFORMATIKA

Tugas py 4 Minggu ke-2

1. Perulangan For



The screenshot shows a VS Code editor with a file named 'Aisyah 3.py'. The code in the editor is:

```
1 for item in range(4, 12, 6):
2     print(item)
```

Below the editor is a terminal window. The terminal output shows the command prompt running the script, which prints the numbers 4 and 10.

```
PS C:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun> & 'C:\Users\HP\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\HP\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '56065' '--' 'c:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun\Aisyah 3.py'
4
10
PS C:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun>
```

2. List



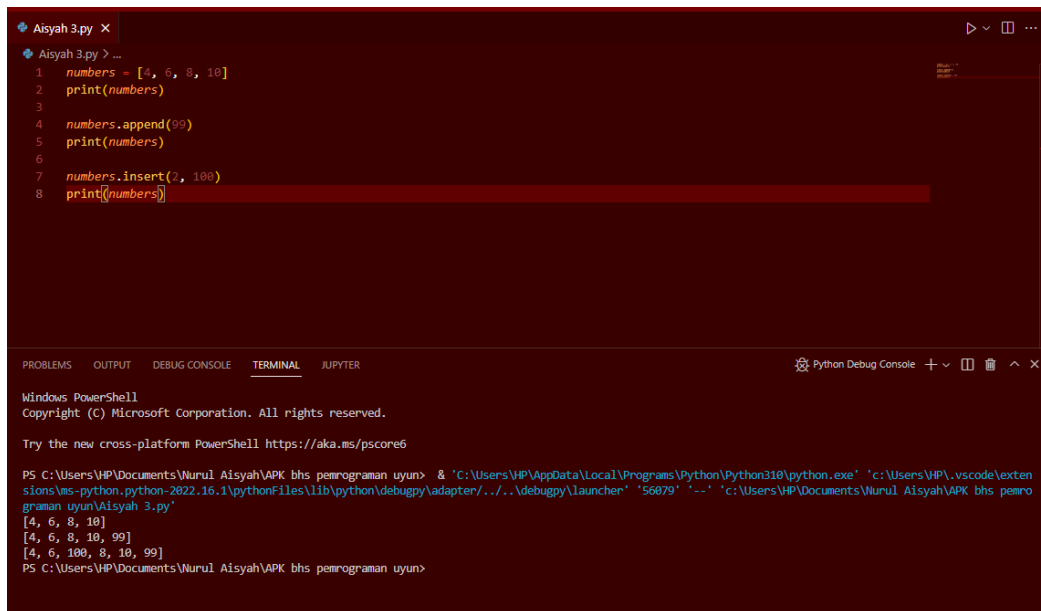
The screenshot shows a VS Code editor with a file named 'Aisyah 3.py'. The code in the editor is:

```
1 kelas = ["AI-3A", "AI-3B", "AI-3C", "AI_3D",""]
2
3 for kelas_AI in kelas :
4     print(f"kelas : {kelas_AI}")
```

Below the editor is a terminal window. The terminal output shows the command prompt running the script, which prints the elements of the list: AI-3A, AI-3B, AI-3C, and AI_3D.

```
PS C:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun> & 'C:\Users\HP\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\HP\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '56073' '--' 'c:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun\Aisyah 3.py'
kelas : AI-3A
kelas : AI-3B
kelas : AI-3C
kelas : AI_3D
PS C:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun>
```

3. List Method



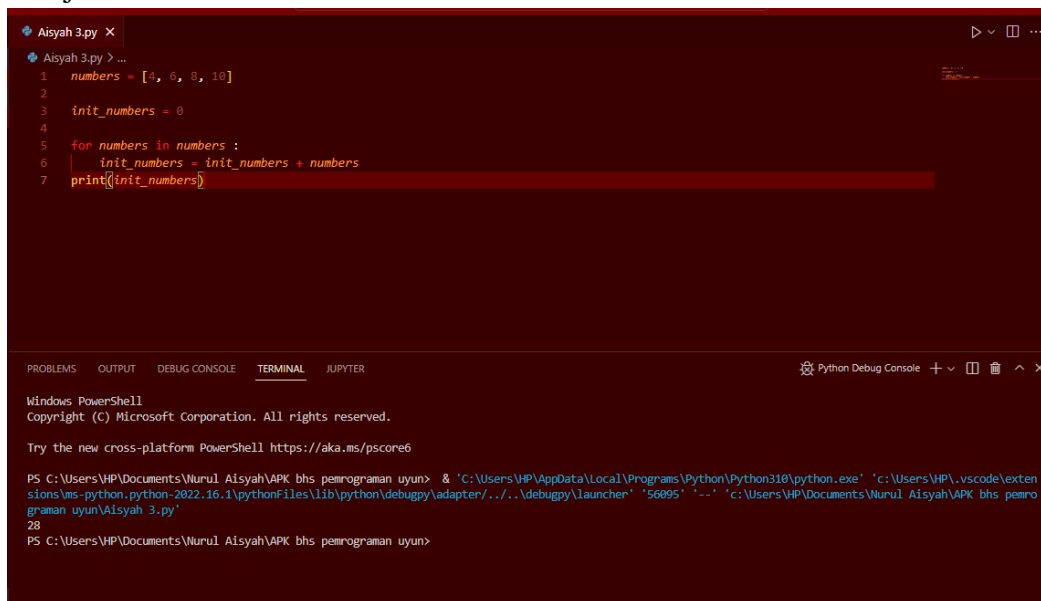
The screenshot shows a VS Code editor window with a file named 'Aisyah 3.py'. The code in the editor is as follows:

```
1 numbers = [4, 6, 8, 10]
2 print(numbers)
3
4 numbers.append(99)
5 print(numbers)
6
7 numbers.insert(2, 100)
8 print(numbers)
```

The terminal output shows the execution of the script, displaying the list after each modification:

```
PS C:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun> & 'C:\Users\HP\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\HP\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '56879' '--' 'c:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun\Aisyah 3.py'
[4, 6, 8, 10]
[4, 6, 8, 10, 99]
[4, 6, 100, 8, 10, 99]
PS C:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun>
```

4. Menjumlahkan List



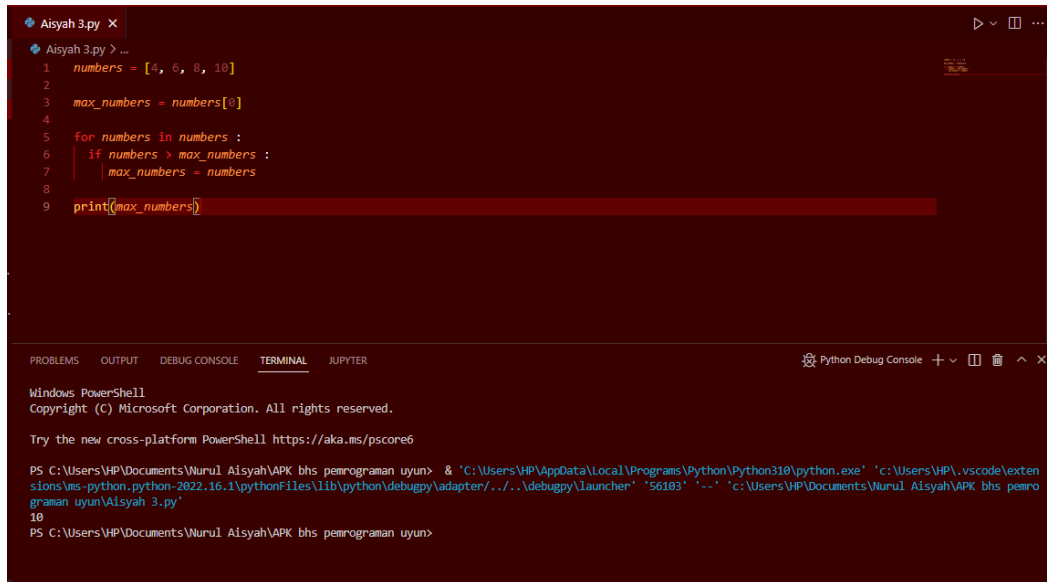
The screenshot shows a VS Code editor window with a file named 'Aisyah 3.py'. The code in the editor is as follows:

```
1 numbers = [4, 6, 8, 10]
2
3 init_numbers = 0
4
5 for numbers in numbers :
6     init_numbers = init_numbers + numbers
7 print(init_numbers)
```

The terminal output shows the execution of the script, displaying the final sum of the list elements:

```
PS C:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun> & 'C:\Users\HP\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\HP\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '56895' '--' 'c:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun\Aisyah 3.py'
28
PS C:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun>
```

5. Mencari Angka Max



```
Aisyah 3.py X
Aisyah 3.py > ...
1 numbers = [4, 6, 8, 10]
2
3 max_numbers = numbers[0]
4
5 for numbers in numbers :
6     if numbers > max_numbers :
7         max_numbers = numbers
8
9 print(max_numbers)
```

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Python Debug Console

Windows PowerShell
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10
PS C:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun>

6. Tuple



```
Aisyah 3.py X
Aisyah 3.py > ...
1 numbers = [4, 5, 6, 7, 8]
2 print(numbers)
3 numbers[0] = 10
4 print(numbers)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

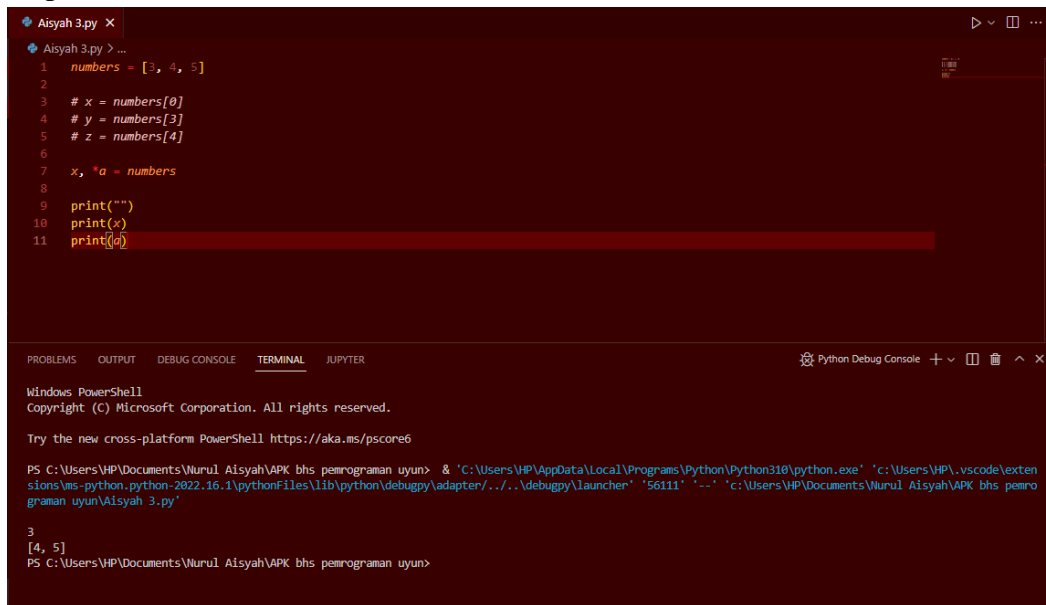
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[4, 5, 6, 7, 8]
[10, 5, 6, 7, 8]
PS C:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun>

7. Unpack



```
Aisyah 3.py X
Aisyah 3.py > ...
1 numbers = [3, 4, 5]
2
3 # x = numbers[0]
4 # y = numbers[3]
5 # z = numbers[4]
6
7 x, *a = numbers
8
9 print("")
10 print(x)
11 print(a)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER Python Debug Console

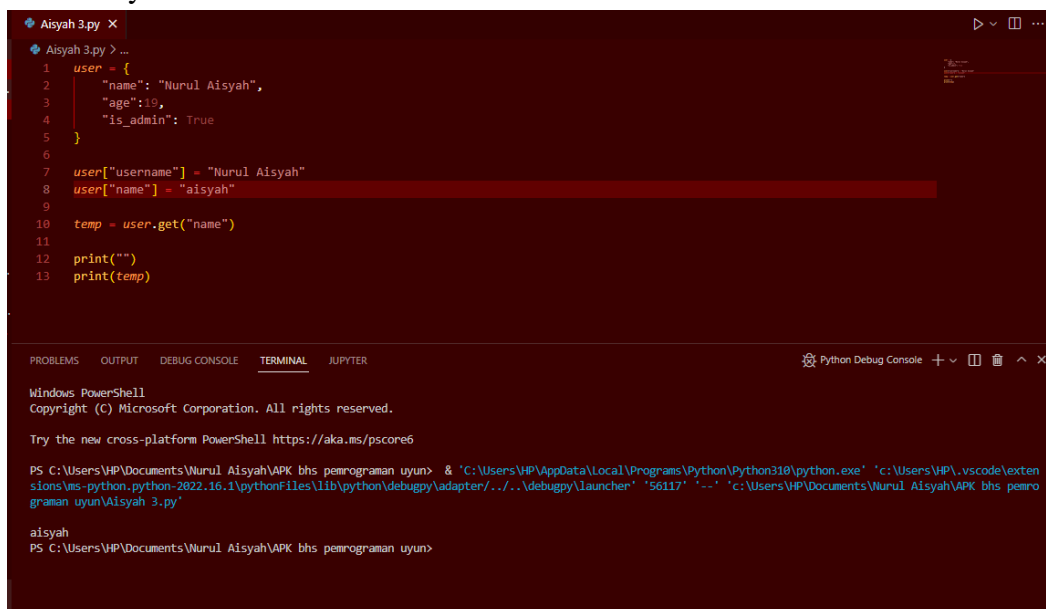
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3
[4, 5]
PS C:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun>

8. Dictionary



```
Aisyah 3.py X
Aisyah 3.py > ...
1 user = {
2     "name": "Nurul Aisyah",
3     "age": 10,
4     "is_admin": True
5 }
6
7 user["username"] = "Nurul Aisyah"
8 user["name"] = "aisyah"
9
10 temp = user.get("name")
11
12 print("")
13 print(temp)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER Python Debug Console

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aisyah
PS C:\Users\HP\Documents\Wurul Aisyah\APK bhs pemrograman uyun>