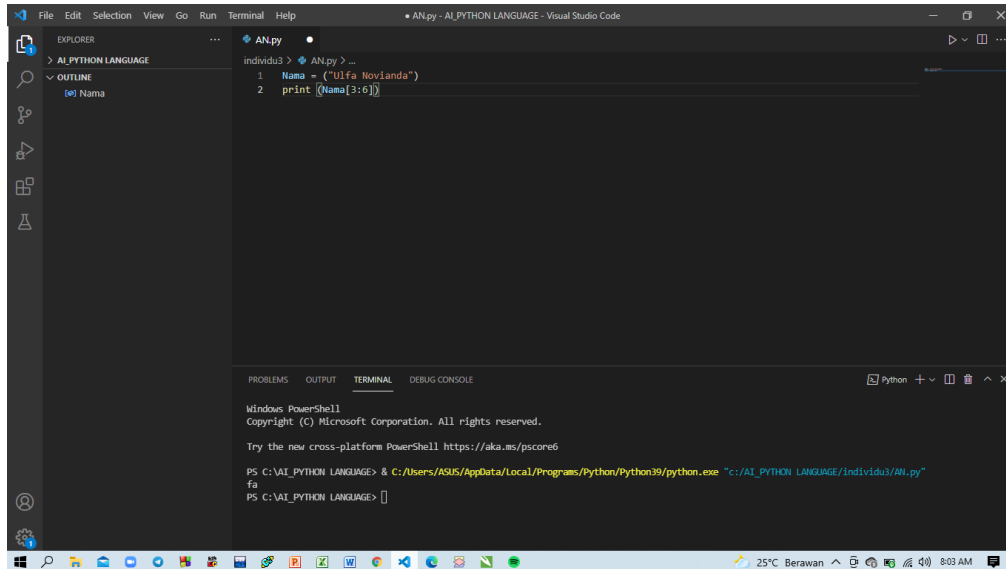


Nama : Ulfa Novianda

Kelas : Kecerdasan buatan (AI-3B)

Nim : 20.01.013.042

1. String



The screenshot shows the Visual Studio Code interface with a Python file named `AN.py` open. The code defines a variable `Nama` with the value `"Ulfa Novianda"` and prints a slice of the string from index 3 to 6. The terminal at the bottom shows the command to run the script, which outputs `fa`.

```
File Edit Selection View Go Run Terminal Help
AN.py - AI PYTHON LANGUAGE - Visual Studio Code

EXPLORER
  AI PYTHON LANGUAGE
    OUTLINE
      Nama

1 Nama = ("Ulfa Novianda")
2 print (Nama[3:6])

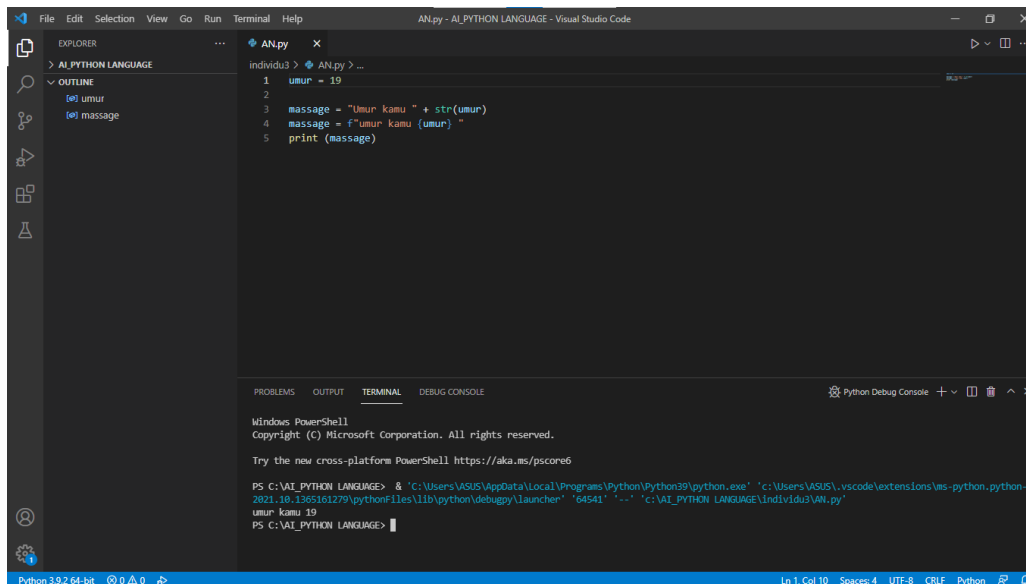
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python

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

PS C:\AI PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI PYTHON LANGUAGE/individu3/AN.py"
fa
PS C:\AI PYTHON LANGUAGE>
```

2. Formatted String



The screenshot shows the Visual Studio Code interface with a Python file named `AN.py` open. The code defines a variable `umur` with the value `19`, creates a formatted string `message` using `str(umur)` and `f-string`, and prints it. The terminal at the bottom shows the command to run the script, which outputs `umur kamu 19`.

```
File Edit Selection View Go Run Terminal Help
AN.py - AI PYTHON LANGUAGE - Visual Studio Code

EXPLORER
  AI PYTHON LANGUAGE
    OUTLINE
      umur
      message

1 umur = 19
2
3 message = "Umur kamu " + str(umur)
4 message = f"umur kamu {umur} "
5 print (message)

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python Debug Console

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

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

PS C:\AI PYTHON LANGUAGE> & 'C:\Users\ASUS\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\ASUS\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '64541' '-' 'c:\AI PYTHON LANGUAGE\individu3\AN.py'
umur kamu 19
PS C:\AI PYTHON LANGUAGE>
```

3. String Method

The screenshot shows the Visual Studio Code interface with a Python file named `AN.py` open. The Explorer sidebar on the left shows the file structure with `AN.py` selected. The main editor displays the following code:

```
1 Course = "aku latihan taekondow"
2 print(course.upper())
3
4 Course = "aku latihan taekondow"
5 print(course.lower())
6
7 Course = "aku latihan taekondow"
8 print(course.capitalize())
9
10 Course = "aku latihan taekondow"
11 print(course.title())
12
13 Course = "aku latihan taekondow"
14 print(course.replace("dan", "atau"))
15
16 Course = "aku latihan taekondow"
17 language = "bersama"
18 print(language in course)
```

The Terminal at the bottom shows the command prompt output:

```
PS C:\VAI_PYTHON LANGUAGE> & C:\Users\ASUS\AppData\Local\Programs\Python\Python39\python.exe "C:\VAI_PYTHON LANGUAGE\individu3\AN.py"
AKU LATIHAN TAEKONDOW
aku latihan taekondow
aku latihan taekondow
aku latihan taekondow
aku latihan taekondow
False
PS C:\VAI_PYTHON LANGUAGE>
```

4. Matematika

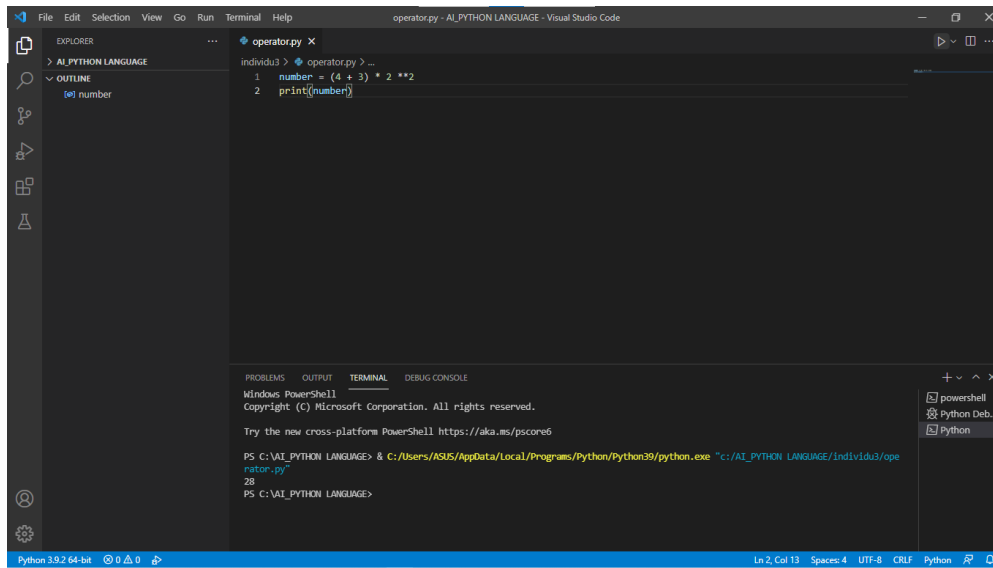
The screenshot shows the Visual Studio Code interface with a Python file named `AN.py` open. The Explorer sidebar on the left shows the file structure with `AN.py` selected. The main editor displays the following code:

```
1 x = 30
2 y = 2
3 print(x*y)
4
5 x = 30
6 y = 2
7 print(x/y)
8
9 x = 30
10 y = 2
11 print(x**y)
12
13 x = 30
14 y = 2
15 print(x//y)
16
17 x = 30
18 y = 2
19 print(x+y)
20
21 x = 30
```

The Terminal at the bottom shows the command prompt output:

```
PS C:\VAI_PYTHON LANGUAGE> & 'C:\Users\ASUS\AppData\Local\Programs\Python\Python39\python.exe' 'C:\Users\ASUS\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '64672' '-...' 'C:\VAI_PYTHON LANGUAGE\individu3\AN.py'
60
15.0
900
15
32
28
0
PS C:\VAI_PYTHON LANGUAGE>
```

5. Operator Precedence



The screenshot shows the Visual Studio Code interface with a file named `operator.py` open. The code in the editor is:

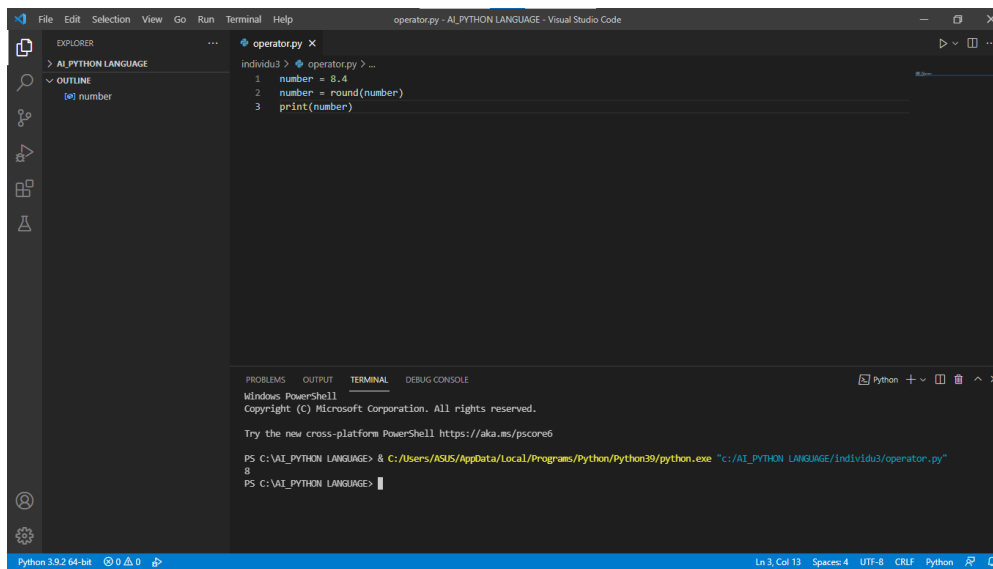
```
1 number = (4 + 3) * 2 ** 2
2 print(number)
```

The terminal at the bottom shows the command to run the script and the output:

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON LANGUAGE/individu3/operator.py"
28
PS C:\AI_PYTHON LANGUAGE>
```

The status bar at the bottom indicates the Python version is 3.9.2 64-bit, and the file is encoded in UTF-8 with CRLF line endings.

6. Math Module



The screenshot shows the Visual Studio Code interface with a file named `operator.py` open. The code in the editor is:

```
1 number = 8.4
2 number = round(number)
3 print(number)
```

The terminal at the bottom shows the command to run the script and the output:

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON LANGUAGE/individu3/operator.py"
8
PS C:\AI_PYTHON LANGUAGE>
```

The status bar at the bottom indicates the Python version is 3.9.2 64-bit, and the file is encoded in UTF-8 with CRLF line endings.

