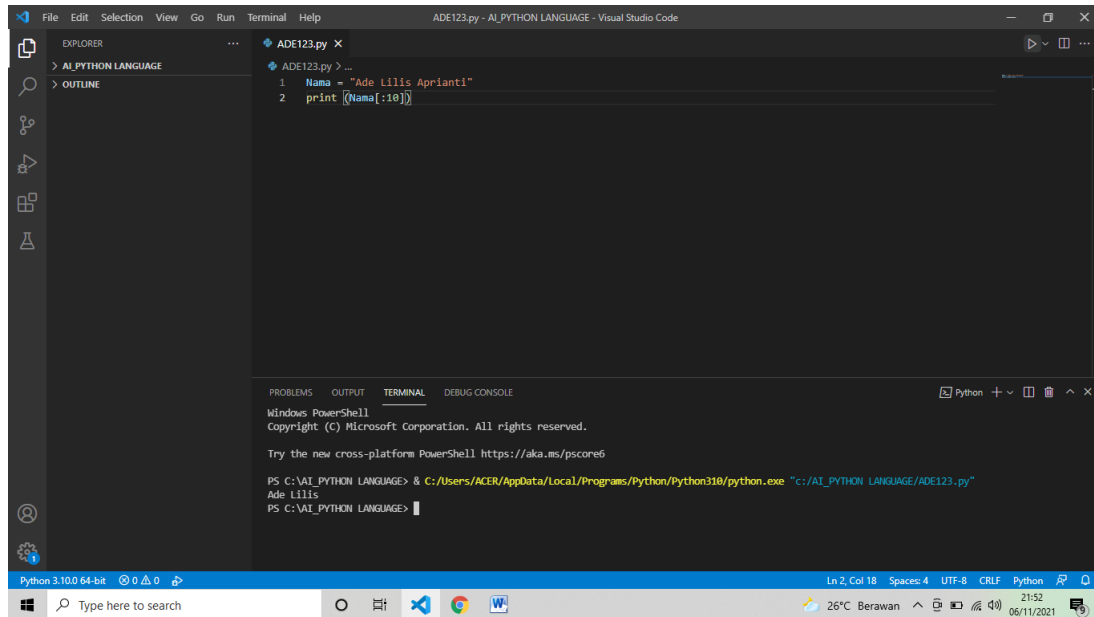


Nama: Ade Lilis Aprianti

Nim: 20.01.013.048

Kelas: AI-B

1. String



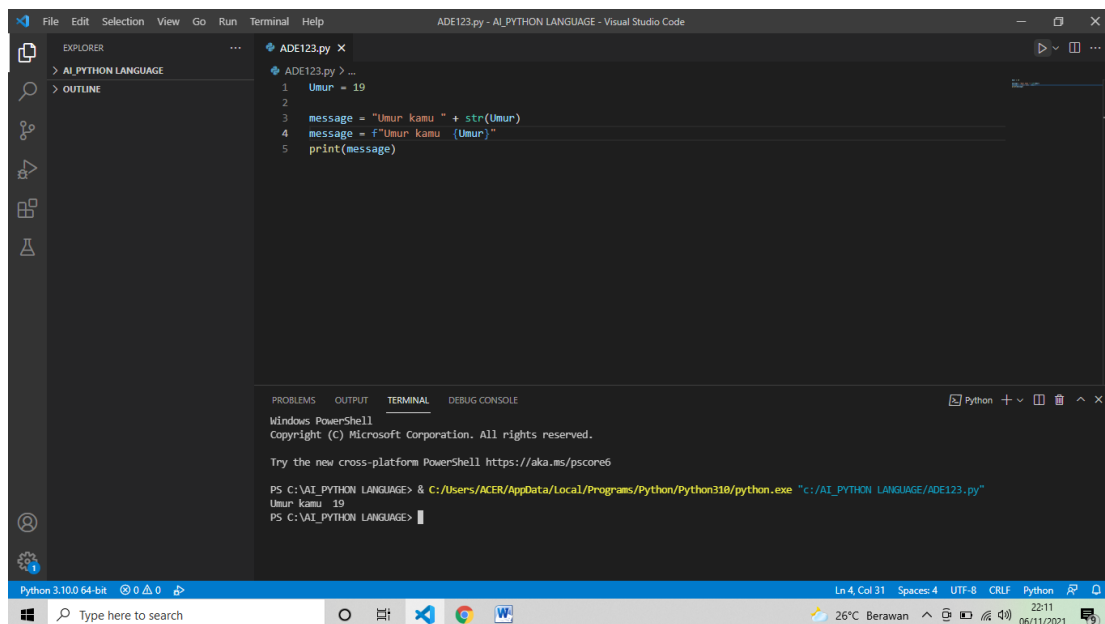
The screenshot shows the Visual Studio Code interface with a Python file named `ADE123.py` open. The Explorer sidebar on the left shows the file structure. The main editor displays the following code:

```
1 Nama = "Ade Lilis Aprianti"
2 print (Nama[:10])
```

The TERMINAL panel at the bottom shows the execution of the script using Python 3.10.0. The output is:

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe "c:/AI_PYTHON LANGUAGE/ADE123.py"
Ade Lilis
PS C:\AI_PYTHON LANGUAGE>
```

2. Formatted String



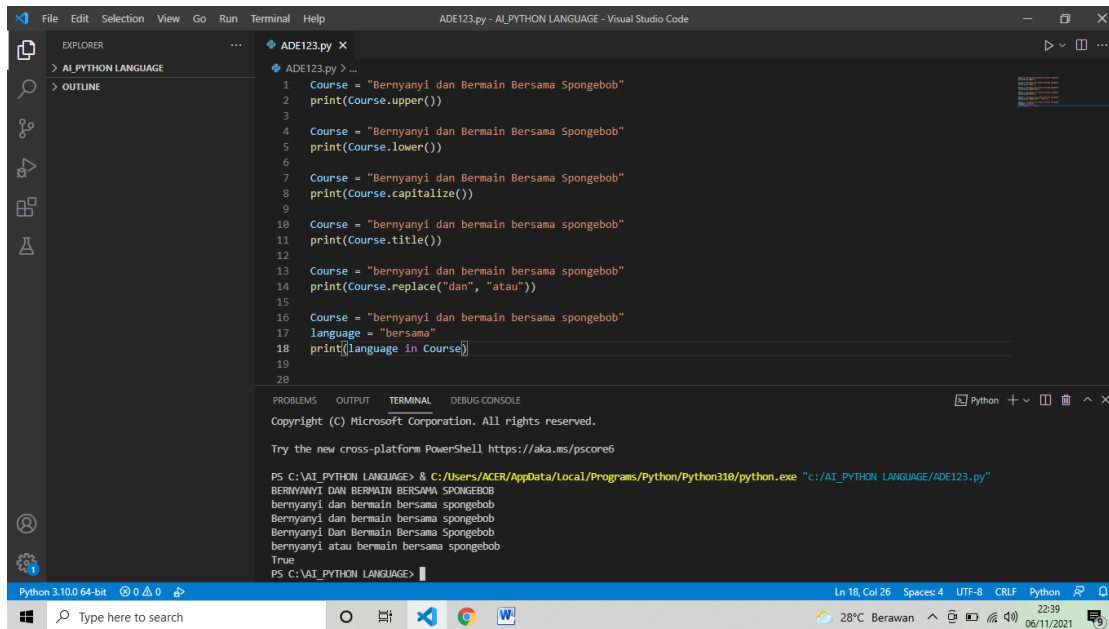
The screenshot shows the Visual Studio Code interface with a Python file named `ADE123.py` open. The Explorer sidebar on the left shows the file structure. The main editor displays the following code:

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

The TERMINAL panel at the bottom shows the execution of the script using Python 3.10.0. The output is:

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe "c:/AI_PYTHON LANGUAGE/ADE123.py"
Umur kamu 19
PS C:\AI_PYTHON LANGUAGE>
```

3. String Method



The screenshot shows a Visual Studio Code editor with a Python file named `ADE123.py`. The code defines a string `Course` and demonstrates various string methods: `upper()`, `lower()`, `capitalize()`, `title()`, and `replace()`. It also checks if the word "bersama" is in the string using `in`. The terminal output shows the results of these operations.

```
1 Course = "Bernyanyi dan Bermain Bersama Spongebob"
2 print(Course.upper())
3
4 Course = "Bernyanyi dan Bermain Bersama Spongebob"
5 print(Course.lower())
6
7 Course = "Bernyanyi dan Bermain Bersama Spongebob"
8 print(Course.capitalize())
9
10 Course = "Bernyanyi dan bermain bersama spongebob"
11 print(Course.title())
12
13 Course = "bernanyai dan bermain bersama spongebob"
14 print(Course.replace("dan", "atau"))
15
16 Course = "bernanyai dan bermain bersama spongebob"
17 language = "bersama"
18 print(language in Course)
19
20
```

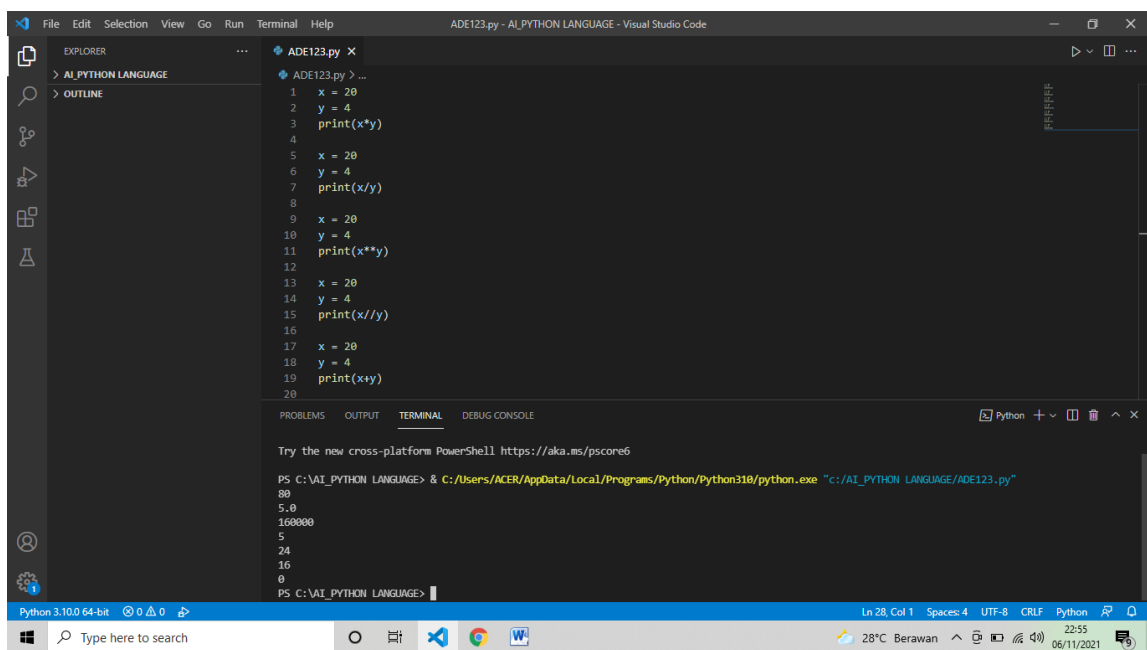
Terminal Output:

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

PS C:\AI_PYTHON LANGUAGE> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe "c:/AI_PYTHON LANGUAGE/ADE123.py"
BERNYANYAI DAN BERMAIN BERSAMA SPONGEBOB
bernanyai dan bermain bersama spongebob
Bernyanyi dan bermain bersama spongebob
Bernyanyi Dan Bermain Bersama Spongebob
bernanyai atau bermain bersama spongebob
True
PS C:\AI_PYTHON LANGUAGE>
```

4. Matematika



The screenshot shows a Visual Studio Code editor with a Python file named `ADE123.py`. The code performs arithmetic operations on variables `x` and `y`: multiplication (`x*y`), division (`x/y`), exponentiation (`x**y`), and addition (`x+y`). The terminal output shows the results of these calculations.

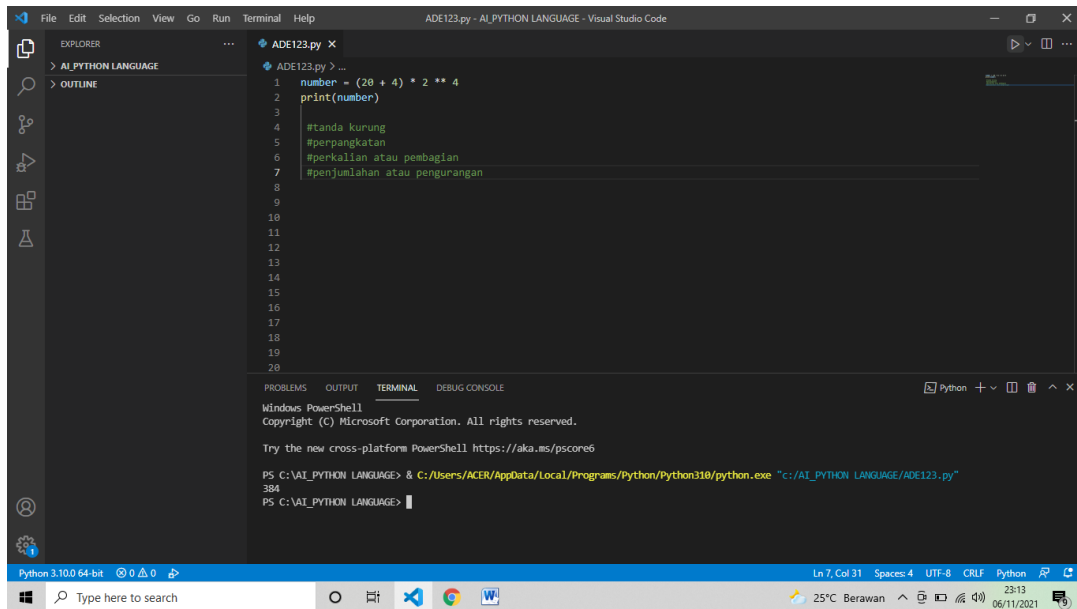
```
1 x = 20
2 y = 4
3 print(x*y)
4
5 x = 20
6 y = 4
7 print(x/y)
8
9 x = 20
10 y = 4
11 print(x**y)
12
13 x = 20
14 y = 4
15 print(x//y)
16
17 x = 20
18 y = 4
19 print(x+y)
20
```

Terminal Output:

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

PS C:\AI_PYTHON LANGUAGE> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe "c:/AI_PYTHON LANGUAGE/ADE123.py"
80
5.0
160000
5
24
16
8
PS C:\AI_PYTHON LANGUAGE>
```

5. Operator Precedence



The screenshot shows the Visual Studio Code editor with a file named `ADE123.py`. The code in the editor is as follows:

```
1 number = (20 + 4) * 2 ** 4
2 print(number)
3
4 #tanda kurung
5 #perpangkatan
6 #perkalian atau pembagian
7 #penjumlahan atau pengurangan
8
9
10
11
12
13
14
15
16
17
18
19
20
```

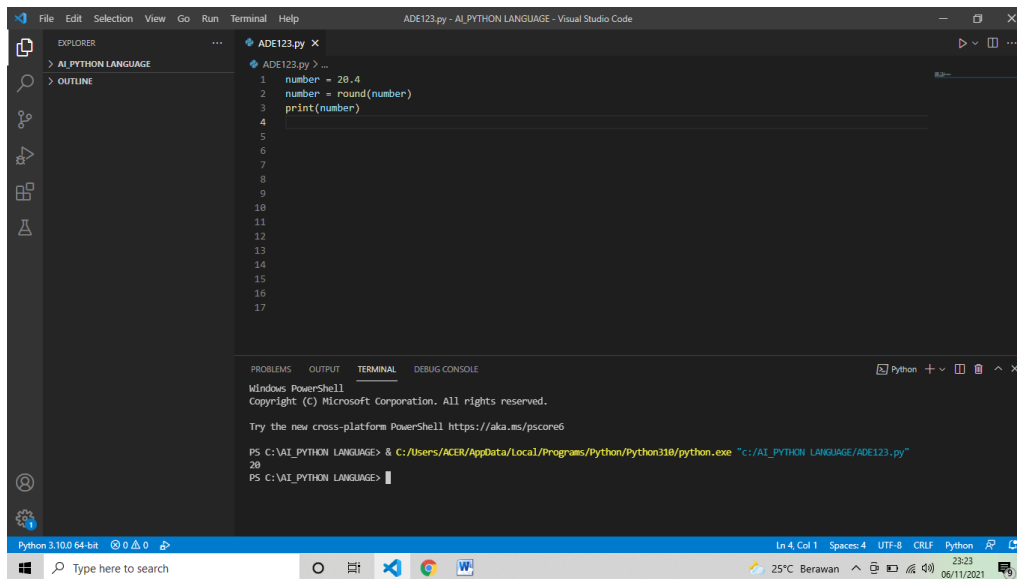
The terminal window at the bottom shows the execution of the script using Python 3.10.0. The output is:

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

PS C:\AI_PYTHON LANGUAGE> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe "c:/AI_PYTHON LANGUAGE/ADE123.py"
384
PS C:\AI_PYTHON LANGUAGE>
```

6. Math Module



The screenshot shows the Visual Studio Code editor with a file named `ADE123.py`. The code in the editor is as follows:

```
1 number = 20.4
2 number = round(number)
3 print(number)
4
5
6
7
8
9
10
11
12
13
14
15
16
17
```

The terminal window at the bottom shows the execution of the script using Python 3.10.0. The output is:

```
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/ACER/AppData/Local/Programs/Python/Python310/python.exe "c:/AI_PYTHON LANGUAGE/ADE123.py"
20
PS C:\AI_PYTHON LANGUAGE>
```

