

Nama : Novitasari

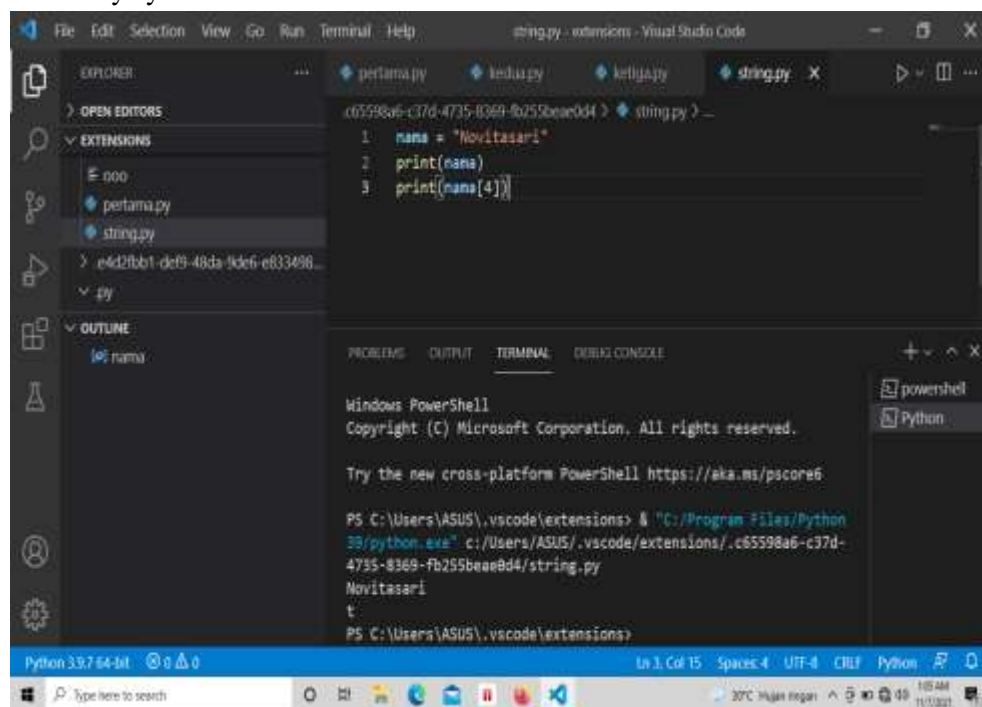
Nim : 20.01.013.012

Kelas : AI_C

- **String**

String adalah susunan karakter-karakter. Ada dua cara yang digunakan untuk mendeskripsikan string yaitu “(tanda petik dua) dan juga ‘(tanda petik satu).

Contohnya yaitu:



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left shows a file named 'string.py' under a folder named 'py'. The main editor window displays the following Python code in 'string.py':

```
1 nana = "Novitasari"  
2 print(nana)  
3 print(nana[4])
```

Below the editor, the TERMINAL panel is open, showing a Windows PowerShell session. The command executed is:

```
PS C:\Users\ASUS\.vscode\extensions> "C:/Program Files/Python39/python.exe" c:/Users/ASUS/.vscode/extensions/.c65598a6-c37d-4735-8369-fb255beae8d4/string.py
```

The output of the script is displayed in the terminal:

```
Novitasari  
t
```

Dan disitu kita juga bisa menggunakan kurung siku[] untuk menambahkan indeks.

- **Formatted String**

Formatted string itu ditandai dengan huruf f dan juga diapit oleh buka kurung kurawal { }. Formatted string ini sangat mudah digunakan tanpa harus memanggil str dan juga otomatis diubah ke dalam format string.

Contohnya:

The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows the file 'formatted_string.py' under the 'EXTENSIONS' folder. The Editor panel displays the following Python code:

```
1 tahun_lahir = 2002
2 usia = 2021 - tahun_lahir
3 hasil = f'tahun {usia}'
4 print(hasil)
```

The Output panel at the bottom shows the execution of the script in a Windows PowerShell terminal:

```
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" "
c:/Users/ASUS/.vscode/extensions/.c65598a6-c37d-4735-8369-fb255b8e0d4/formatted_string.py"
tahun 19
PS C:\Users\ASUS\.vscode\extensions>
```

- **String Method**

The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows the file 'string_method.py' under the 'EXTENSIONS' folder. The Editor panel displays the following Python code:

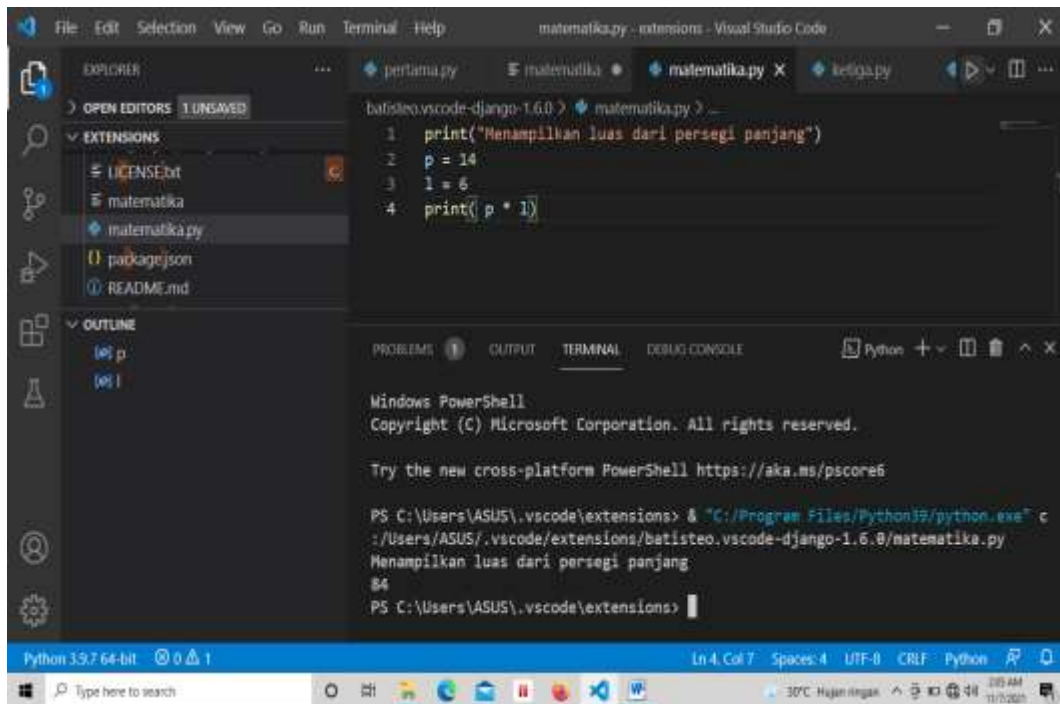
```
1 course = "cara belajar bahasa python"
2 print(course.upper())
```

The Output panel at the bottom shows the execution of the script in a Windows PowerShell terminal:

```
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" "
c:/Users/ASUS/.vscode/extensions/.c65598a6-c37d-4735-8369-fb255b8e0d4/string_method.py"
CARA BELAJAR BAHASA PYTHON
PS C:\Users\ASUS\.vscode\extensions>
```

String method hanya dipanggil oleh sebuah objek dan objek nya itu adalah course. Upper ialah mengembalikan nilai atau menghasilkan sebuah string yang semuanya huruf kapital. Sedangkan print itu adalah sebuah function dari python. Method tidak akan merubah isi dari variable itu sendiri, akan tetapi hanya membuat stringnya itu menjadi huruf kapital.

- **Matematika**



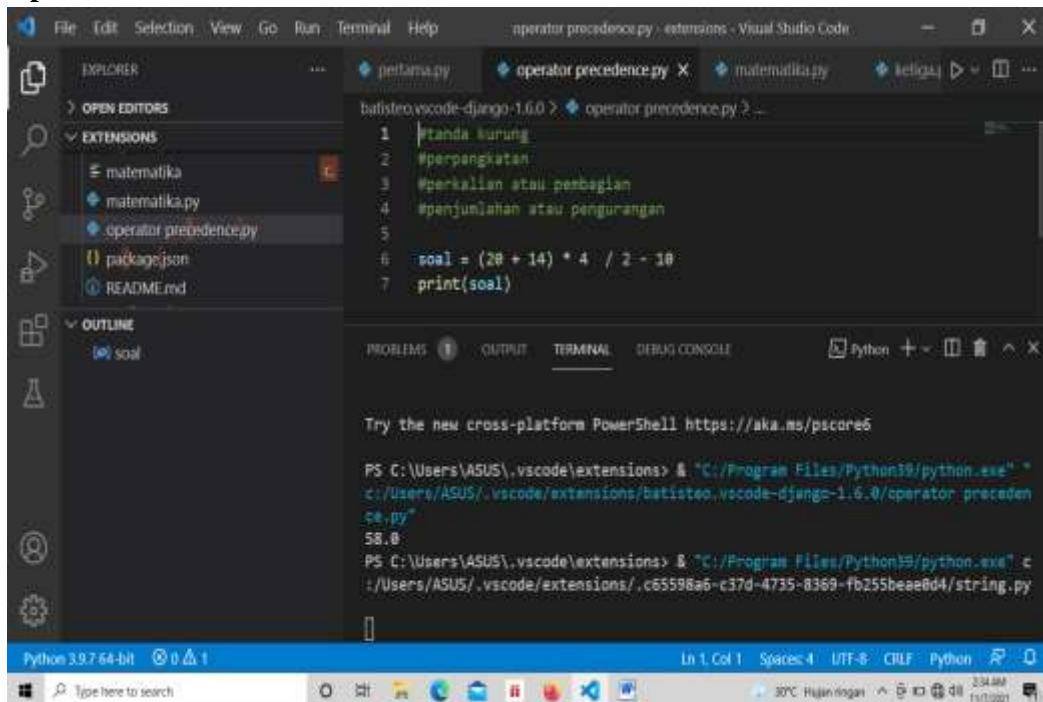
The screenshot shows the Visual Studio Code interface with a file named `matematika.py` open. The code in the editor is as follows:

```
1 print("Menampilkan luas dari persegi panjang")
2 p = 14
3 l = 6
4 print(p * l)
```

The left sidebar shows the Explorer view with the file `matematika.py` selected. The bottom status bar indicates the file is using Python 3.9.7 64-bit. The terminal at the bottom shows the command to run the script and the output:

```
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c
:/Users/ASUS/.vscode/extensions/batisteo.vscod
e-django-1.6.0/matematika.py
Menampilkan luas dari persegi panjang
84
PS C:\Users\ASUS\.vscode\extensions>
```

- **Operator Precedence**



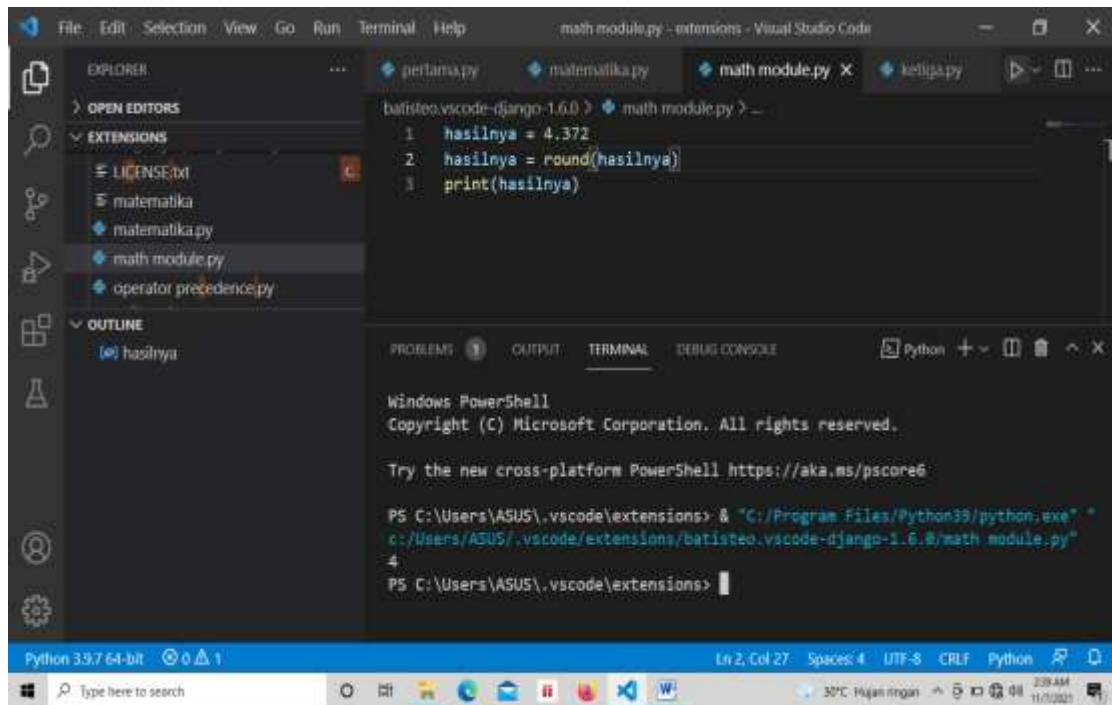
The screenshot shows the Visual Studio Code interface with a file named `operator precedence.py` open. The code in the editor is as follows:

```
1 #tanda kurung
2 #perkalian
3 #perkalian atau pembagian
4 #penjumlahan atau pengurangan
5
6 soal = (20 + 14) * 4 / 2 - 10
7 print(soal)
```

The left sidebar shows the Explorer view with the file `operator precedence.py` selected. The bottom status bar indicates the file is using Python 3.9.7 64-bit. The terminal at the bottom shows the command to run the script and the output:

```
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c
:/Users/ASUS/.vscode/extensions/batisteo.vscod
e-django-1.6.0/operator preceden
ce.py
58.0
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c
:/Users/ASUS/.vscode/extensions/c65598a6-c37d-4735-8369-fb255beae0d4/string.py
```

- **Math Module**



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays the file structure with folders for 'LICENSE.txt', 'matematika', and 'OUTLINE'. The 'OUTLINE' folder contains a file named 'hasilnya'. The main editor window shows a Python file named 'math module.py' with the following code:

```
1  hasilnya = 4.372
2  hasilnya = round(hasilnya)
3  print(hasilnya)
```

The bottom panel shows the 'TERMINAL' output, which displays the command used to run the script and the resulting output:

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

PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" *
c:/Users/ASUS/.vscode/extensions/batisteo.vscod-django-1.6.8/math module.py"
4
PS C:\Users\ASUS\.vscode\extensions>
```

The status bar at the bottom indicates the Python version is 3.9.7 64-bit, and the file encoding is UTF-8.

Pada gambar diatas terdapat hasil sebanyak 4.372 kemudian hasil tersebut dibulatkan sehingga menjadi 4 karena bilangan setelah tanda koma lebih kecil daripada 5 maka hasilnya dibulatkan ke bawah..