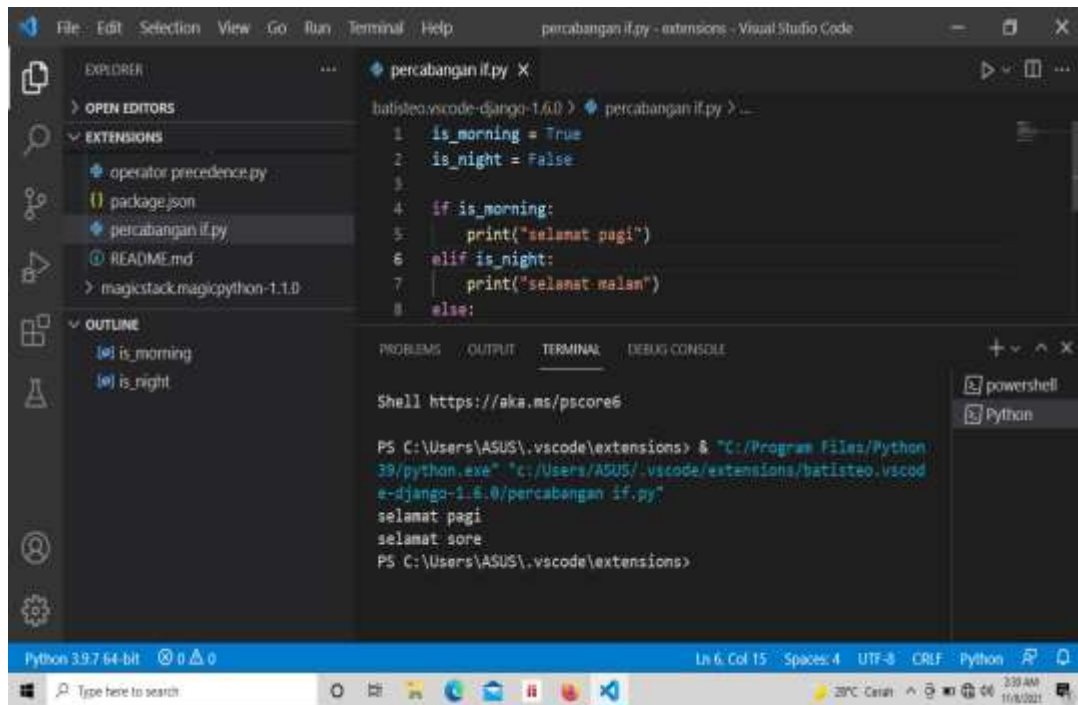


Nama : Novitasari

Nim : 20.01.013.012

Kelas : AI_C

- Percabangan if



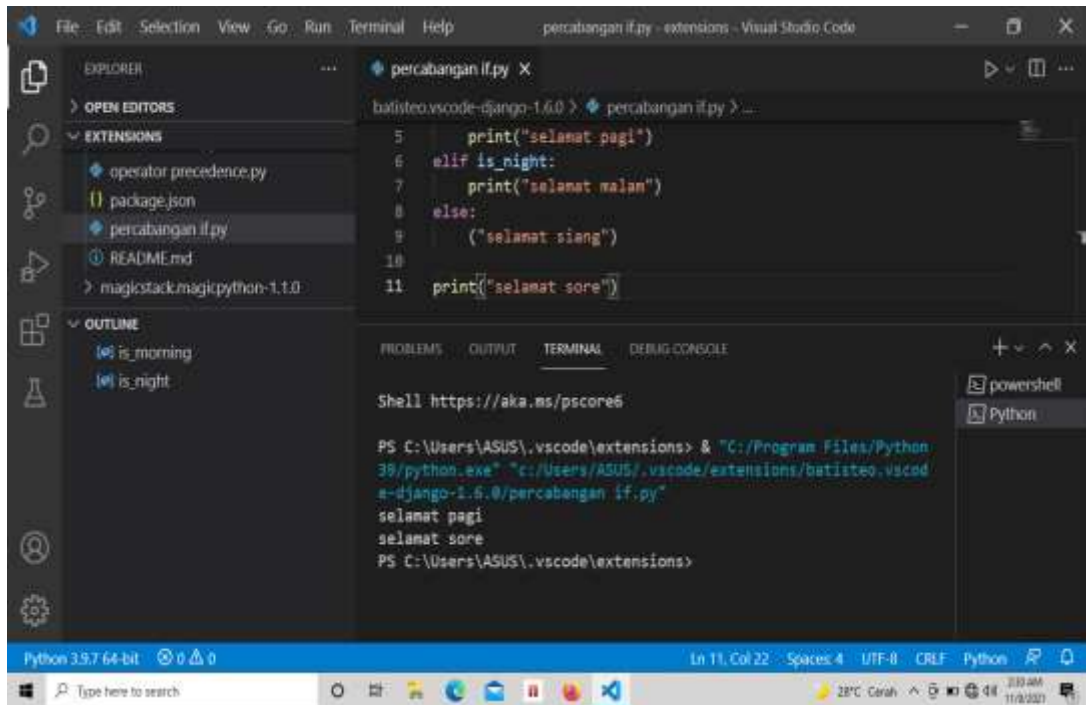
The screenshot shows the Visual Studio Code interface with the file explorer on the left, the editor in the center, and the terminal at the bottom. The file explorer shows the project structure with files like `operator_precedence.py`, `package.json`, `percabangan if.py`, and `README.md`. The editor displays the following Python code:

```
1 is_morning = True
2 is_night = False
3
4 if is_morning:
5     print("selamat pagi")
6 elif is_night:
7     print("selamat malam")
8 else:
```

The terminal shows the command used to run the script and its output:

```
Shell https://aka.ms/pscore6
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" "c:/Users/ASUS/.vscode/extensions/batistea.vscod
e-django-1.6.0/percabangan if.py"
selamat pagi
selamat sore
PS C:\Users\ASUS\.vscode\extensions>
```

The status bar at the bottom indicates the file is a Python 3.9.7 64-bit script, located at line 6, column 15, with 4 spaces, using UTF-8 encoding and CRLF line endings.



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

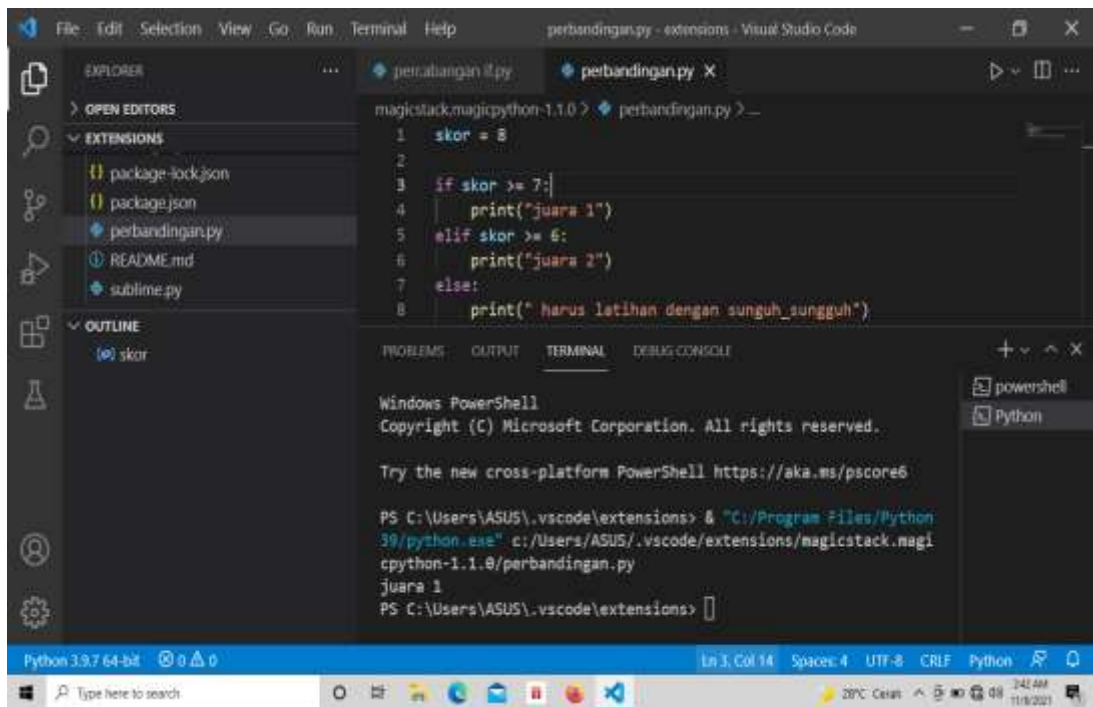
```
5 print("selamat pagi")
6 elif is_night:
7     print("selamat malam")
8 else:
9     ("selamat siang")
10
11 print("selamat sore")
```

The left sidebar shows the Explorer view with the file `percabangan if.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 executed to run the script:

```
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" "c:/Users/ASUS/.vscode/extensions/batisteo.vscod
e-django-1.6.0/percabangan if.py"
selamat pagi
selamat sore
PS C:\Users\ASUS\.vscode\extensions>
```

Pada kondisi penggunaan if itu harus diawali IS dan syarat dibawah if harus bernilai True. Ketika kita menggunakan if, elif, else maka variable nya itu harus bernilai True atau False. Contohnya pada gambar diatas yaitu apabila if bernilai true maka hasil yang ditampilkan itu adalah selamat pagi, dan untuk yang bernilai False maka yang dicetak itu adalah selamat sore.

- Operator perbandingan



```
File Edit Selection View Go Run Terminal Help perbandingan.py - extensions - Visual Studio Code

EXPLORER
OPEN EDITORS
EXTENSIONS
package-lock.json
package.json
perbandingan.py
README.md
sublime.py
OUTLINE
skor

1 skor = 8
2
3 if skor >= 7:
4     print("juara 1")
5 elif skor >= 6:
6     print("juara 2")
7 else:
8     print(" harus latihan dengan sungguh_sungguh")

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

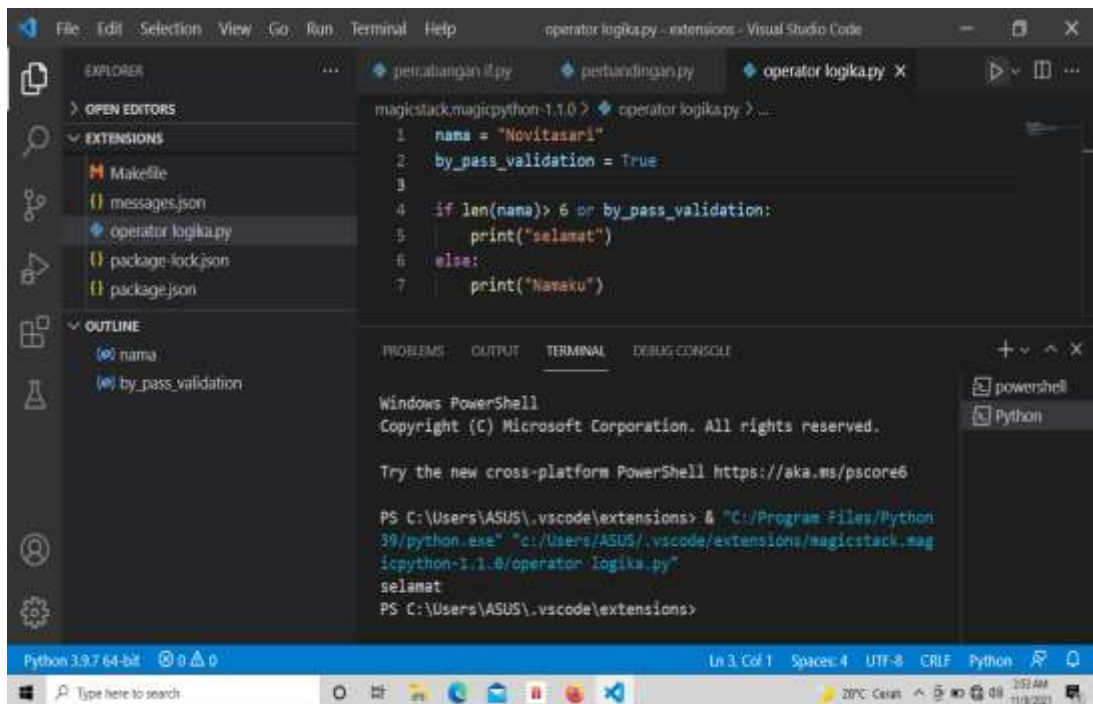
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python
39/python.exe" c:/Users/ASUS/.vscode/extensions/magicstack.magi
cpython-1.1.0/perbandingan.py
juara 1
PS C:\Users\ASUS\.vscode\extensions>

Python 3.9.7 64-bit Ln 1, Col 14 Spaces: 4 UTF-8 CRLF Python
```

Yaitu menampilkan skor = 8 dan apabila skor ≥ 7 maka hasilnya adalah juara 1 karena terletak pada bagian juara 1.

- Operator logika



```
File Edit Selection View Go Run Terminal Help operator logika.py - extensions - Visual Studio Code

EXPLORER
OPEN EDITORS
EXTENSIONS
Makefile
messages.json
operator logika.py
package-lock.json
package.json
OUTLINE
nama
by_pass_validation

1 nama = "Novitasari"
2 by_pass_validation = True
3
4 if len(nama) > 5 or by_pass_validation:
5     print("selamat")
6 else:
7     print("haraku")

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

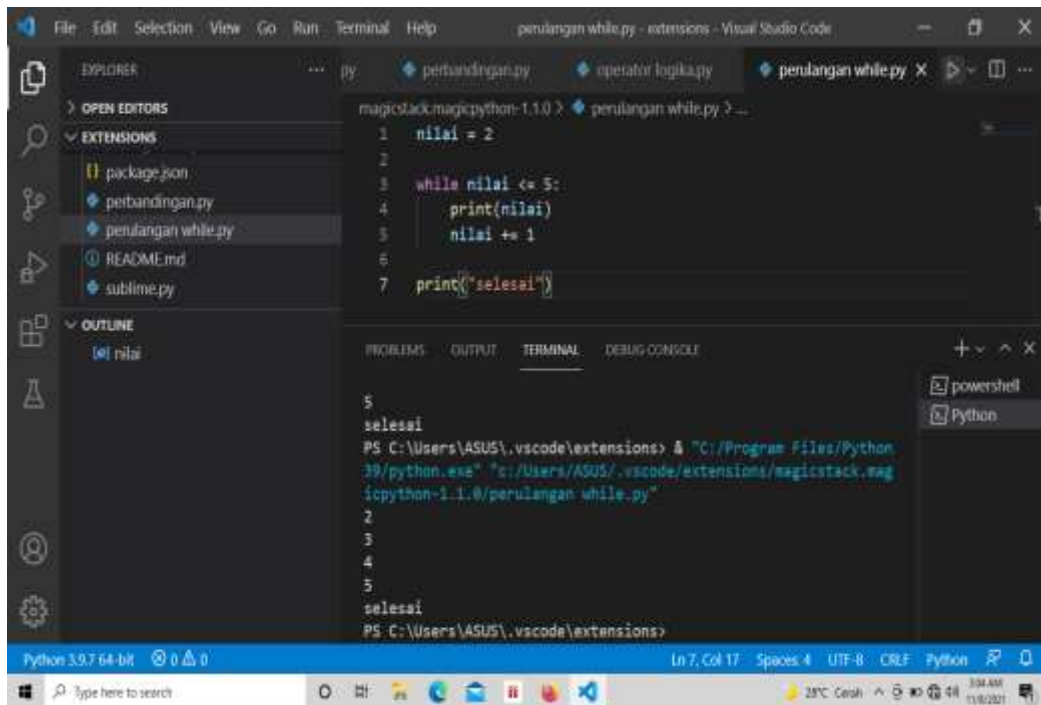
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python
39/python.exe" "c:/Users/ASUS/.vscode/extensions/magicstack.magi
cpython-1.1.0/operator_logika.py"
selamat
PS C:\Users\ASUS\.vscode\extensions>

Python 3.9.7 64-bit Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Python
```

Adalah operator yang mana didalamnya itu terdapat percabangan if. Pada if len (nama) < 6 terdapat or yang mana bernilai True pada by_pass_ validationnya sehingga yang di cetak itu adalah “selamat”.

- Perulangan while



The screenshot shows the Visual Studio Code interface with a Python file named 'perulangan while.py' open. The code in the editor is as follows:

```
1 nilai = 2
2
3 while nilai <= 5:
4     print(nilai)
5     nilai += 1
6
7 print("selesai")
```

The terminal at the bottom shows the execution of the script using the command: `PS C:\Users\ASUS\vscode\extensions> & "C:/Program Files/Python39/python.exe" "c:/Users/ASUS/.vscode/extensions/magicstack.magicpython-1.1.0/perulangan while.py"`. The output of the script is displayed in the terminal:

```
5
selesai
PS C:\Users\ASUS\vscode\extensions>
```

Perulangan adalah sebuah bagian kode yang tugasnya berulang-ulang kali. Syarat indeksnya ≤ 5

Sehingga setiap nilai selalu ditambahkan dengan 1 hingga mencapai indeks 5.

- Game tebak angka

