

The screenshot shows the Visual Studio Code interface with a Python file named 'abdcfg.py' open. The code defines two boolean variables, 'is_day' and 'is_night', and uses conditional statements to print messages. The terminal window shows the command to run the script and its output.

```
1 is_day = True
2 is_night = False
3 if is_day:
4     print("selamat siang")
5 elif is_night:
6     print("selamat menikmati harimu")
7 else:
8     print("Selamat sore")
9 print("selamat menikmati harimu")
10
```

Terminal Output:

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe "c:/AI_PYTHON LANGUAGE/abdcfg.py"
selamat siang
selamat menikmati harimu
PS C:\AI_PYTHON LANGUAGE>
```

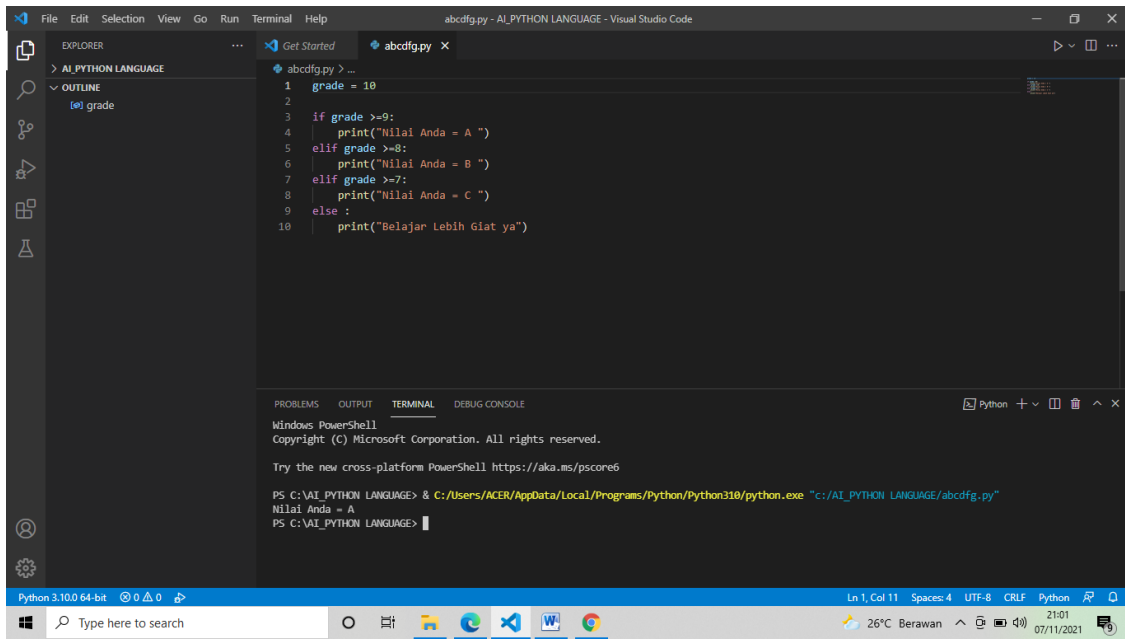
2. Operator Perbandingan

The screenshot shows the Visual Studio Code interface with a Python file named 'abdcfg.py' open. The code defines a variable 'grade' and uses conditional statements to print messages based on its value. The terminal window shows the command to run the script and its output.

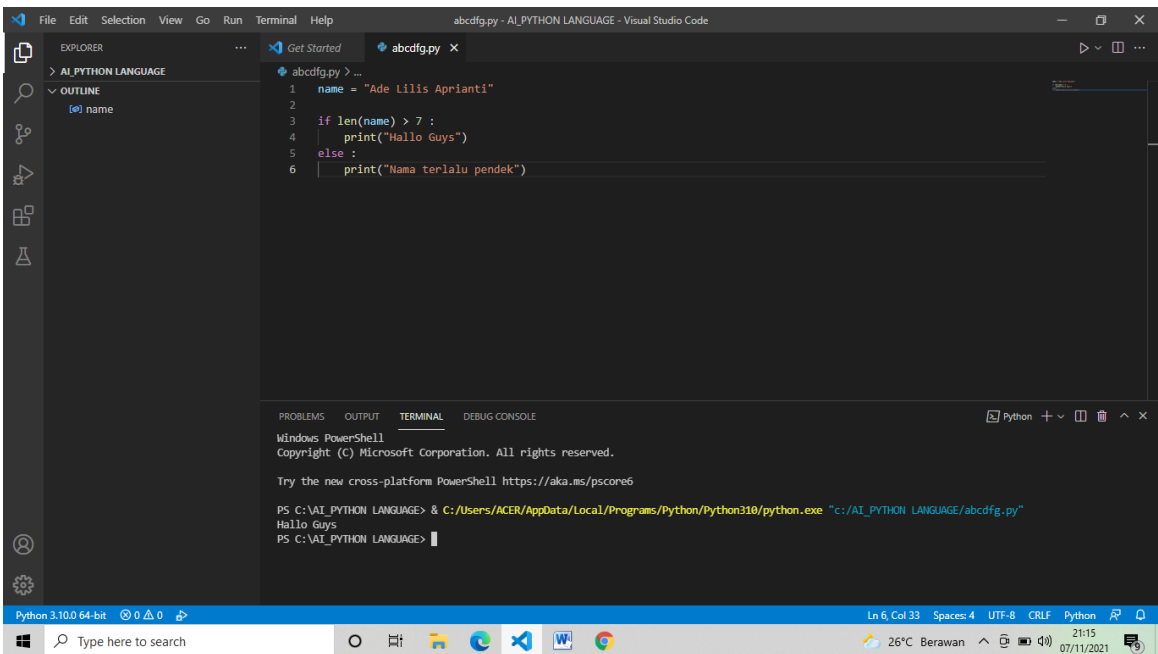
```
1 grade = 2
2
3 if grade >= 9:
4     print("Nilai Anda = A ")
5 elif grade >= 8:
6     print("Nilai Anda = B ")
7 elif grade >= 7:
8     print("Nilai Anda = C ")
9 else :
10    print("Belajar Lebih Giat ya")
```

Terminal Output:

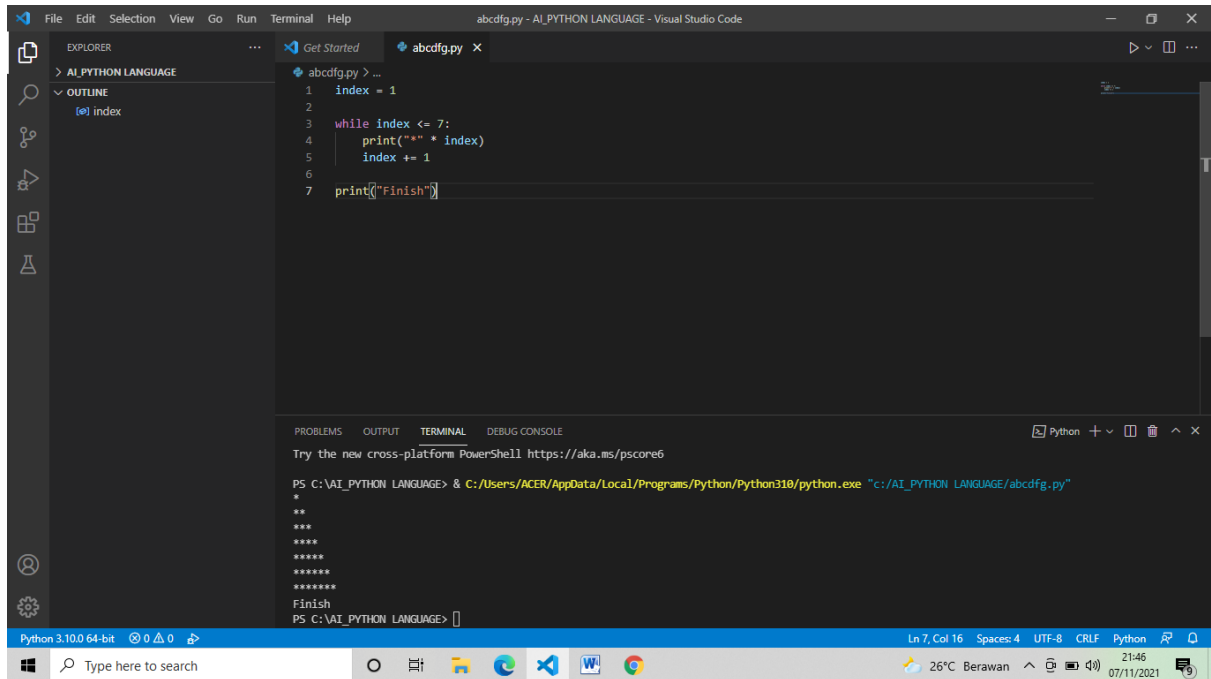
```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe "c:/AI_PYTHON LANGUAGE/abdcfg.py"
Belajar Lebih Giat ya
PS C:\AI_PYTHON LANGUAGE>
```



3. Operator Logika



4. Perulangan While



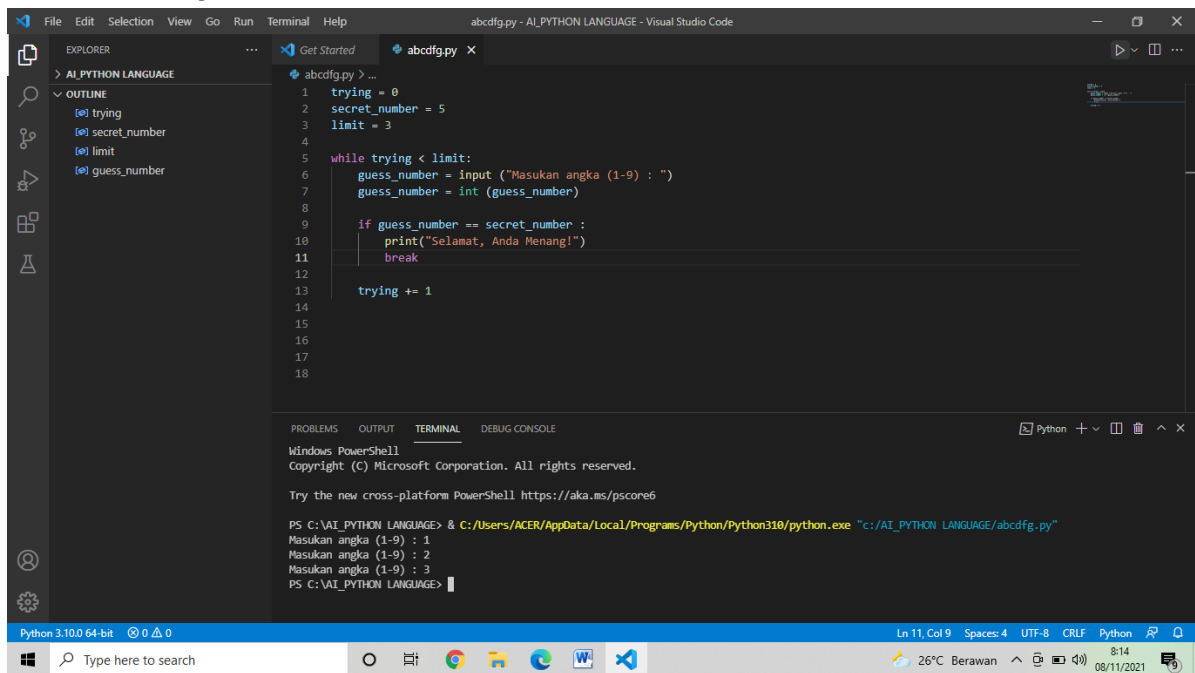
The screenshot shows the Visual Studio Code editor with a file named `abcdfg.py` open. The code in the editor is as follows:

```
1 index = 1
2
3 while index <= 7:
4     print("*** * index)
5     index += 1
6
7 print("Finish")
```

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

```
PS C:\VAI_PYTHON LANGUAGE> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe "c:/VAI_PYTHON LANGUAGE/abcdfg.py"
***
***
****
*****
*****
*****
*****
Finish
PS C:\VAI_PYTHON LANGUAGE>
```

5. Game Tebak Angka

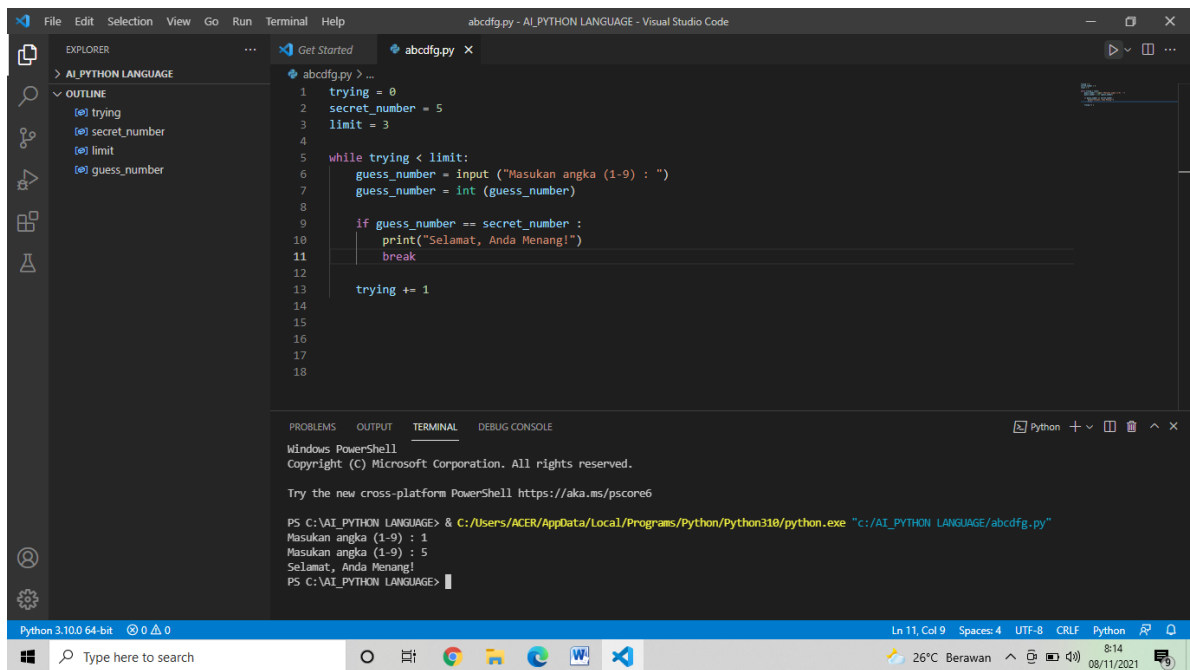


The screenshot shows the Visual Studio Code editor with a file named `abcdfg.py` open. The code in the editor is as follows:

```
1 trying = 0
2 secret_number = 5
3 limit = 3
4
5 while trying < limit:
6     guess_number = input("Masukan angka (1-9) : ")
7     guess_number = int(guess_number)
8
9     if guess_number == secret_number:
10        print("Selamat, Anda Menang!")
11        break
12
13    trying += 1
14
15
16
17
18
```

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

```
PS C:\VAI_PYTHON LANGUAGE> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe "c:/VAI_PYTHON LANGUAGE/abcdfg.py"
Masukan angka (1-9) : 1
Masukan angka (1-9) : 2
Masukan angka (1-9) : 3
PS C:\VAI_PYTHON LANGUAGE>
```



```
File Edit Selection View Go Run Terminal Help
abdcfg.py - ALPYTHON LANGUAGE - Visual Studio Code

EXPLORER
  > ALPYTHON LANGUAGE
  > OUTLINE
    (e) trying
    (e) secret_number
    (e) limit
    (e) guess_number

abdcfg.py > ...
1  trying = 0
2  secret_number = 5
3  limit = 3
4
5  while trying < limit:
6      guess_number = input ("Masukan angka (1-9) : ")
7      guess_number = int (guess_number)
8
9      if guess_number == secret_number :
10         print("Selamat, Anda Menang!")
11         break
12
13     trying += 1
14
15
16
17
18

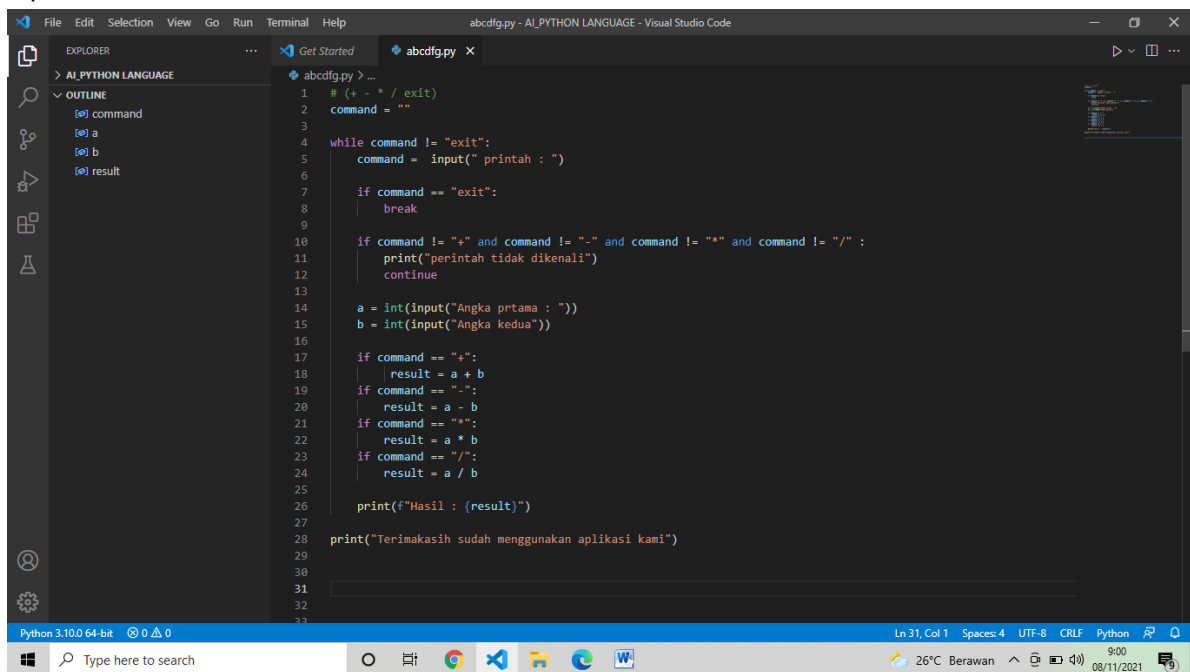
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Windows PowerShell
Copyright (c) Microsoft Corporation. All rights reserved.

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

PS C:\AI_PYTHON LANGUAGE> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe "c:/AI_PYTHON LANGUAGE/abdcfg.py"
Masukan angka (1-9) : 1
Masukan angka (1-9) : 5
Selamat, Anda Menang!
PS C:\AI_PYTHON LANGUAGE>
```

6. Aplikasi Kalkulator

Input

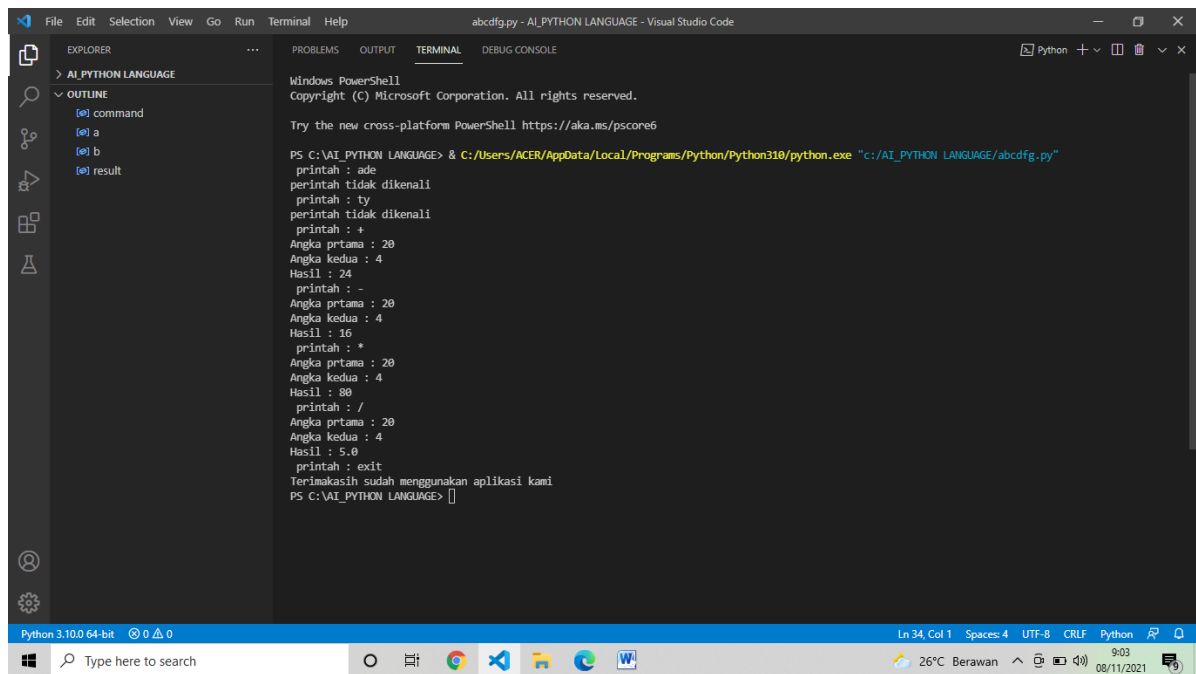


```
File Edit Selection View Go Run Terminal Help
abdcfg.py - ALPYTHON LANGUAGE - Visual Studio Code

EXPLORER
  > ALPYTHON LANGUAGE
  > OUTLINE
    (e) command
    (e) a
    (e) b
    (e) result

abdcfg.py > ...
1  # (+ - * / exit)
2  command = ""
3
4  while command != "exit":
5      command = input(" perintah : ")
6
7      if command == "exit":
8          break
9
10     if command != "+" and command != "-" and command != "*" and command != "/" :
11         print("perintah tidak dikenali")
12         continue
13
14     a = int(input("Angka prtama : "))
15     b = int(input("Angka kedua"))
16
17     if command == "+":
18         result = a + b
19     if command == "-":
20         result = a - b
21     if command == "*":
22         result = a * b
23     if command == "/":
24         result = a / b
25
26     print(f"Hasil : {result}")
27
28     print("Terimakasih sudah menggunakan aplikasi kami")
29
30
31
32
33
```

Otput



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal is running a Windows PowerShell session. The command executed is `PS C:\AI_PYTHON LANGUAGE> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe "c:/AI_PYTHON LANGUAGE/abcdfg.py"`. The output of the script is as follows:

```
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/abcdfg.py"
printah : ade
perintah tidak dikenali
printah : ty
perintah tidak dikenali
printah : +
Angka prtama : 20
Angka kedua : 4
Hasil : 24
printah : -
Angka prtama : 20
Angka kedua : 4
Hasil : 16
printah : *
Angka prtama : 20
Angka kedua : 4
Hasil : 80
printah : /
Angka prtama : 20
Angka kedua : 4
Hasil : 5.0
printah : exit
Terimakasih sudah menggunakan aplikasi kami
PS C:\AI_PYTHON LANGUAGE>
```

The status bar at the bottom indicates the file is `abcdfg.py` in the `AI_PYTHON LANGUAGE` folder, using Python 3.10.0 64-bit. The system tray shows the date as 08/11/2021 and the time as 9:03.