

```
File Edit Selection View Go Run Terminal Help tugas 1.py - Visual Studio Code

EXPLORER
NO FOLDER OPENED
You have not yet opened a folder.
Open Folder
You can clone a repository locally.
Clone Repository
To learn more about how to use git and source control in VS Code read our docs.

guslinats.py tugas 1.py X
C: > Users > ACER > tugas 1.py > ...
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 bersenang-senang")
9 print("Selamat menikmati harimu")

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\VACER> & python "c:/Users/ACER/tugas 1.py"
Selamat siang
Selamat menikmati harimu
PS C:\Users\VACER>

Python 3.10.0 64-bit 0 0 0 Ln 9, Col 32 Spaces: 4 UTF-8 CRLF Python 32°C Sebagian cerah 11:20 08/11/2021
```

• Operator Perbandingan

```
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guslinats.py tugas 1.py X
C: > Users > ACER > tugas 1.py > ...
1 grade = 95
2
3 if grade >=100:
4     print("Nilai Anda = A ")
5 elif grade >=80:
6     print("Nilai Anda = B ")
7 elif grade >=70:
8     print("Nilai Anda = C ")
9 else :
10    print("Belajar lebih tekun lagi")

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

PS C:\Users\VACER> & python "c:/Users/ACER/tugas 1.py"
Nilai Anda = B
PS C:\Users\VACER>

Python 3.10.0 64-bit 0 0 0 Ln 10, Col 38 Spaces: 4 UTF-8 CRLF Python 32°C Sebagian cerah 11:27 08/11/2021
```

The screenshot shows the Visual Studio Code interface with a file named `tugas 1.py` open. The code is a Python script that takes a grade as input and prints the corresponding letter grade. The terminal shows the execution of the script with the input `65`, resulting in the output `Nilai Anda = B` and `Belajar Lebih tekun lagi`.

```
1 grade = 65
2
3 if grade >=100:
4     print("Nilai Anda = A ")
5 elif grade >=80:
6     print("Nilai Anda = B ")
7 elif grade >=70:
8     print("Nilai Anda = C ")
9 else :
10    print("Belajar Lebih tekun lagi")
```

Terminal Output:

```
PS C:\Users\VACER> & python "c:/Users/ACER/tugas 1.py"
Nilai Anda = B
PS C:\Users\VACER> & python "c:/Users/ACER/tugas 1.py"
Belajar Lebih tekun lagi
PS C:\Users\VACER>
```

• Operator Logika

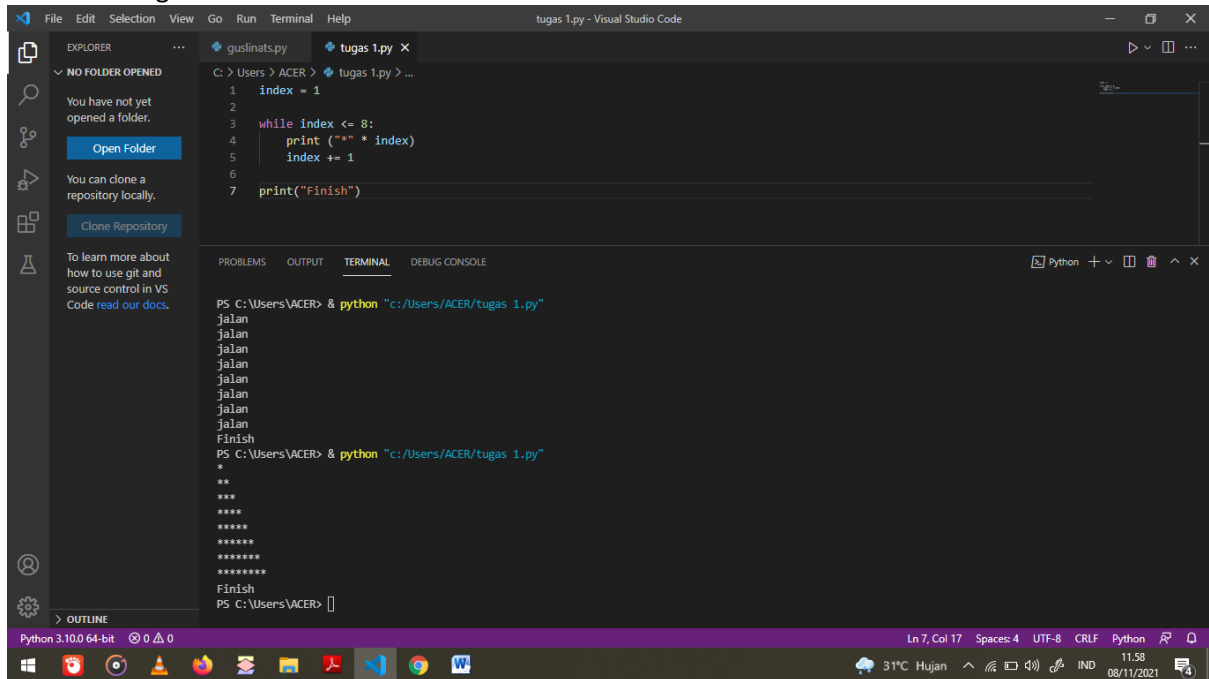
The screenshot shows the Visual Studio Code interface with a file named `tugas 1.py` open. The code is a Python script that demonstrates logical operators. It checks if the length of the string `"Guslina"` is greater than 8, and if it is, it prints `Welcome`. Otherwise, it prints `Nama terlalu pendek`. The terminal shows the execution of the script, resulting in the output `Welcome` and `Nama terlalu pendek`.

```
1 name = "Guslina"
2
3 if len(name) > 8 :
4     print("Welcome")
5 else :
6     print("Nama terlalu pendek")
7
8
9 False or True
10 True or False
11 True and False
12 False and True
13 True and True
```

Terminal Output:

```
PS C:\Users\VACER> & python "c:/Users/ACER/tugas 1.py"
Welcome
PS C:\Users\VACER> & python "c:/Users/ACER/tugas 1.py"
Nama terlalu pendek
PS C:\Users\VACER>
```

• Perulangan While



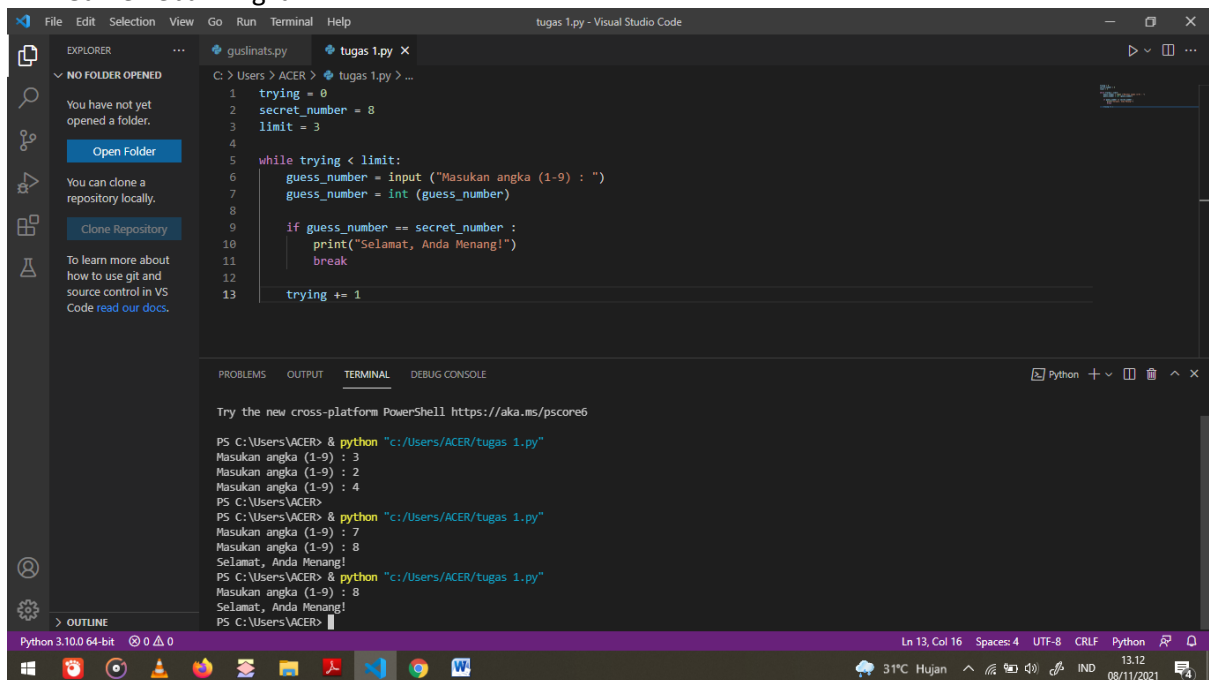
The screenshot shows the Visual Studio Code interface with a file named `tugas 1.py` open. The code in the editor is a simple while loop that prints "jalan" eight times and then "Finish".

```
1 index = 1
2
3 while index <= 8:
4     print ("*" * index)
5     index += 1
6
7 print("Finish")
```

The terminal at the bottom shows the command `python "c:/Users/ACER/tugas 1.py"` being executed, resulting in the output:

```
PS C:\Users\VACER> & python "c:/Users/ACER/tugas 1.py"
jalan
jalan
jalan
jalan
jalan
jalan
jalan
jalan
Finish
PS C:\Users\VACER>
```

• Game Tebak Angka



The screenshot shows the Visual Studio Code interface with a file named `tugas 1.py` open. The code in the editor is a number guessing game where the user has 3 attempts to guess a secret number (8).

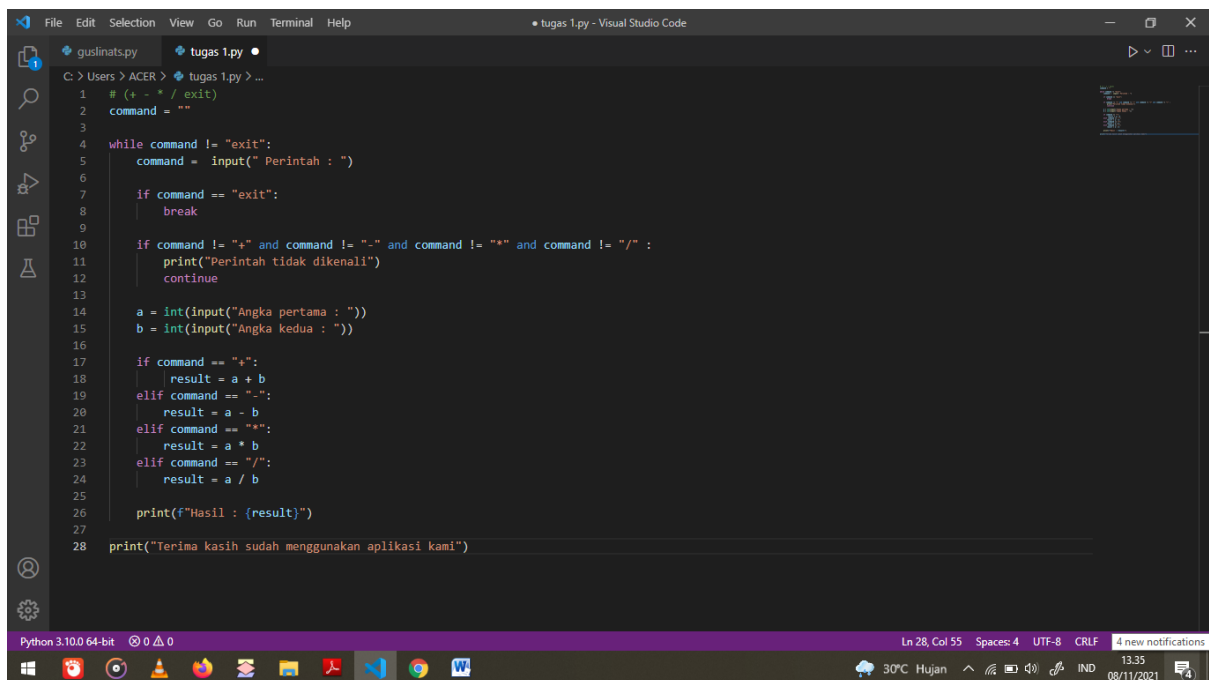
```
1 trying = 0
2 secret_number = 8
3 limit = 3
4
5 while trying < limit:
6     guess_number = input ("Masukan angka (1-9) : ")
7     guess_number = int (guess_number)
8
9     if guess_number == secret_number :
10        print("Selamat, Anda Menang!")
11        break
12
13    trying += 1
```

The terminal at the bottom shows the command `python "c:/Users/ACER/tugas 1.py"` being executed. The user enters 3, 2, and 4 in the first three attempts, and then 7 and 8 in the next two. The program outputs "Selamat, Anda Menang!" after the second correct guess (8).

```
PS C:\Users\VACER> & python "c:/Users/ACER/tugas 1.py"
Masukan angka (1-9) : 3
Masukan angka (1-9) : 2
Masukan angka (1-9) : 4
PS C:\Users\VACER> & python "c:/Users/ACER/tugas 1.py"
Masukan angka (1-9) : 7
Masukan angka (1-9) : 8
Selamat, Anda Menang!
PS C:\Users\VACER> & python "c:/Users/ACER/tugas 1.py"
Masukan angka (1-9) : 8
Selamat, Anda Menang!
PS C:\Users\VACER>
```

- Aplikasi Kalkulator

Input

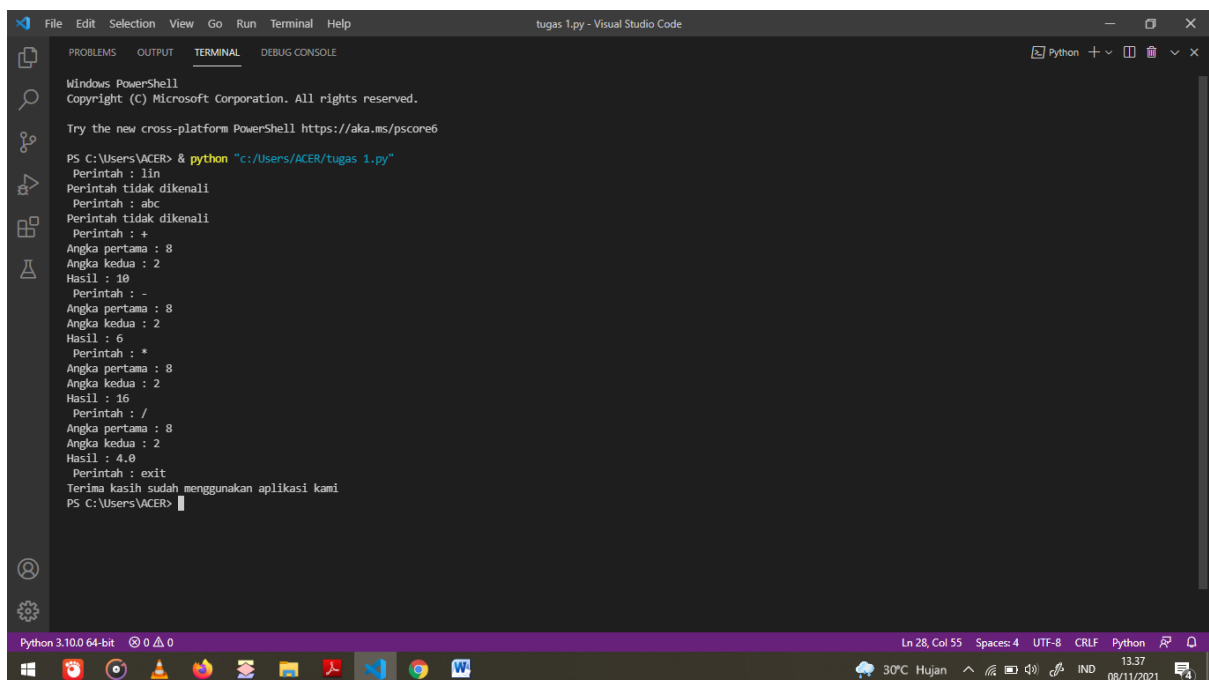


```
File Edit Selection View Go Run Terminal Help
tugas 1.py - Visual Studio Code

guslinats.py tugas 1.py
C:\Users\ACER> python tugas 1.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 pertama : "))
15    b = int(input("Angka kedua : "))
16
17    if command == "+":
18        result = a + b
19    elif command == "-":
20        result = a - b
21    elif command == "*":
22        result = a * b
23    elif command == "/":
24        result = a / b
25
26    print(f"Hasil : {result}")
27
28 print("Terima kasih sudah menggunakan aplikasi kami")

Python 3.10.0 64-bit 0 0 0 Ln 28, Col 55 Spaces: 4 UTF-8 CRLF 4 new notifications
30°C Hujan 13:35 08/11/2021
```

Output



```
File Edit Selection View Go Run Terminal Help
tugas 1.py - Visual Studio Code

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Windows PowerShell
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PS C:\Users\ACER> python "c:/Users/ACER/tugas 1.py"
Perintah : lin
Perintah tidak dikenali
Perintah : abc
Perintah tidak dikenali
Perintah : +
Angka pertama : 8
Angka kedua : 2
Hasil : 10
Perintah : -
Angka pertama : 8
Angka kedua : 2
Hasil : 6
Perintah : *
Angka pertama : 8
Angka kedua : 2
Hasil : 16
Perintah : /
Angka pertama : 8
Angka kedua : 2
Hasil : 4.0
Perintah : exit
Terima kasih sudah menggunakan aplikasi kami
PS C:\Users\ACER>
```