

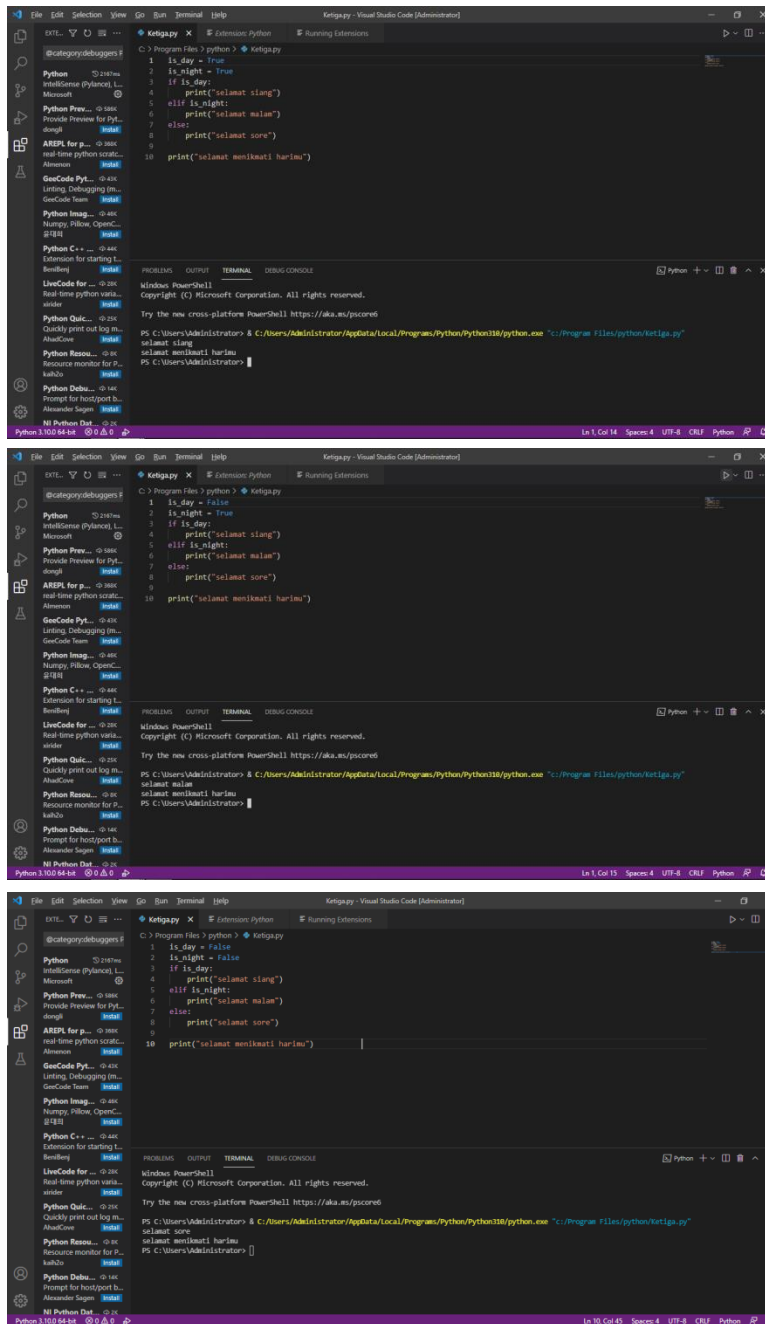
NAMA : MUHAMMAD FIQAR RAMADHAN

NIM : 20.01.013.034

KELAS : AI –B

3. Python-3

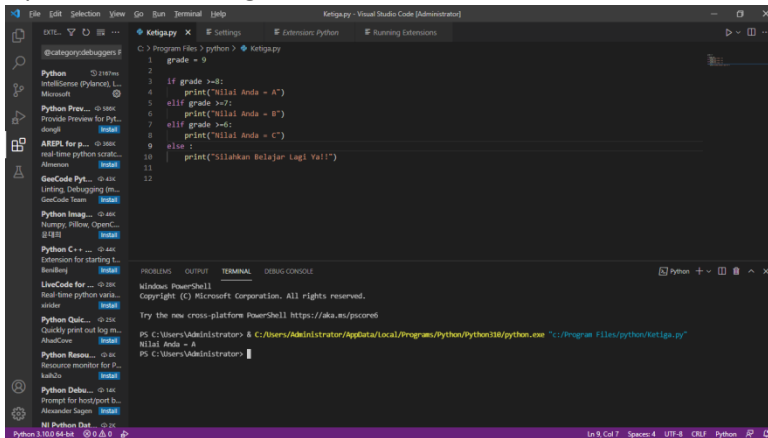
1. Percabangan IF



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

Python 3.10.0 64-bit

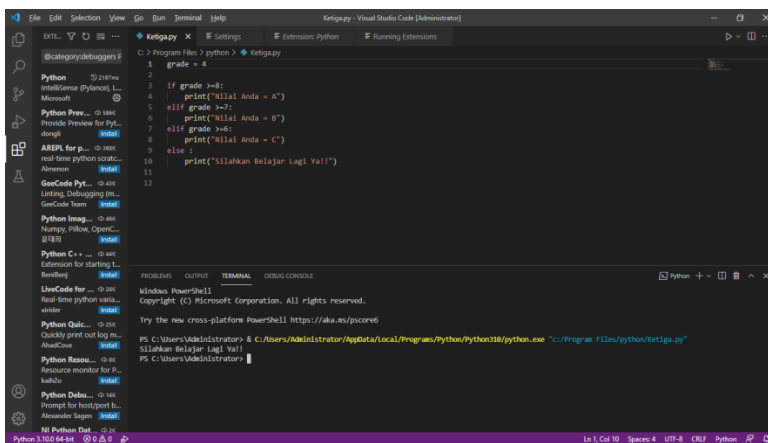
2. Operator Perbandingan



```
1 grade = 9
2
3 if grade > 9:
4     print("Nilai Anda = A")
5 elif grade >= 7:
6     print("Nilai Anda = B")
7 elif grade >= 5:
8     print("Nilai Anda = C")
9 else:
10    print("Silahkan Belajar Lagi Val!")
11
12
```

Terminal Output:

```
PS C:\Users\Administrator > C:\Users\Administrator\AppData\Local\Programs\Python\Python38\python.exe "C:\Program Files\python\ketiga.py"
Nilai Anda = A
PS C:\Users\Administrator >
```

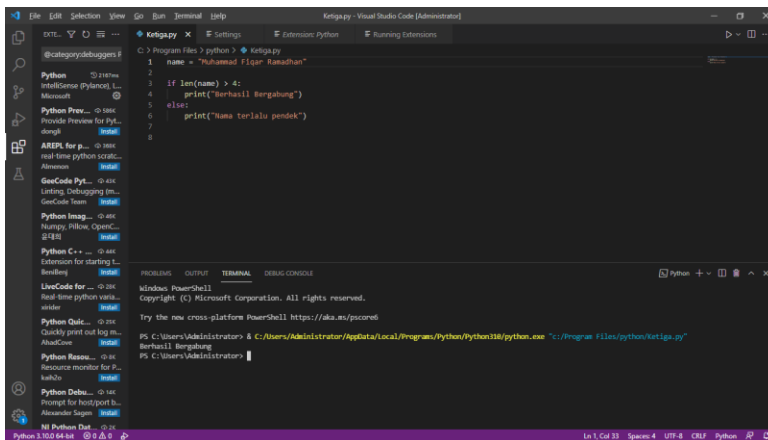


```
1 grade = 4
2
3 if grade > 9:
4     print("Nilai Anda = A")
5 elif grade >= 7:
6     print("Nilai Anda = B")
7 elif grade >= 5:
8     print("Nilai Anda = C")
9 else:
10    print("Silahkan Belajar Lagi Val!")
11
12
```

Terminal Output:

```
PS C:\Users\Administrator > C:\Users\Administrator\AppData\Local\Programs\Python\Python38\python.exe "C:\Program Files\python\ketiga.py"
Silahkan Belajar Lagi Val!
PS C:\Users\Administrator >
```

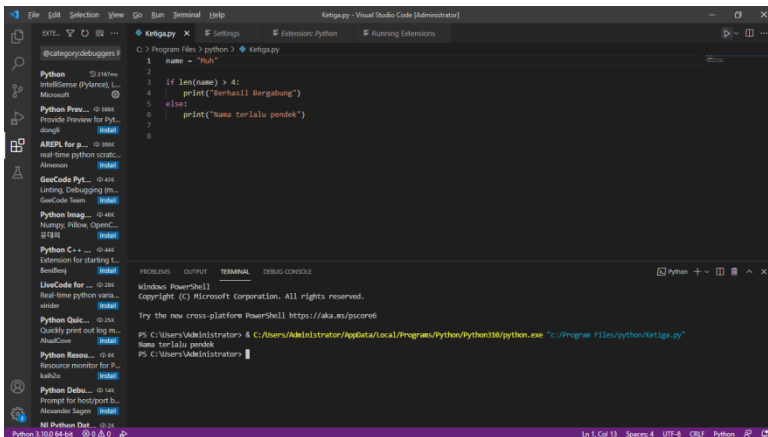
3. Operator Logika



```
1 name = "Muhammad Fajar Ramadhan"
2
3 if len(name) > 4:
4     print("Berhasil Bergabung")
5 else:
6     print("Nama terlalu pendek")
7
8
```

Terminal Output:

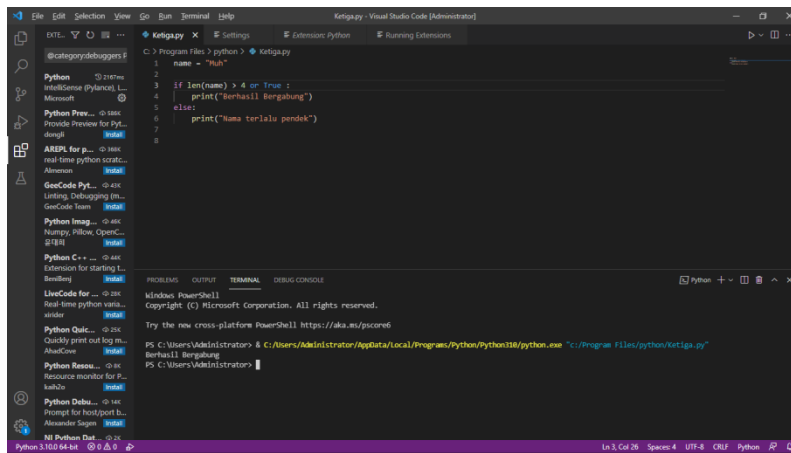
```
PS C:\Users\Administrator > C:\Users\Administrator\AppData\Local\Programs\Python\Python38\python.exe "C:\Program Files\python\ketiga.py"
Berhasil Bergabung
PS C:\Users\Administrator >
```



```
1 name = "Mu"
2
3 if len(name) > 4:
4     print("Berhasil Bergabung")
5 else:
6     print("Nama terlalu pendek")
7
8
```

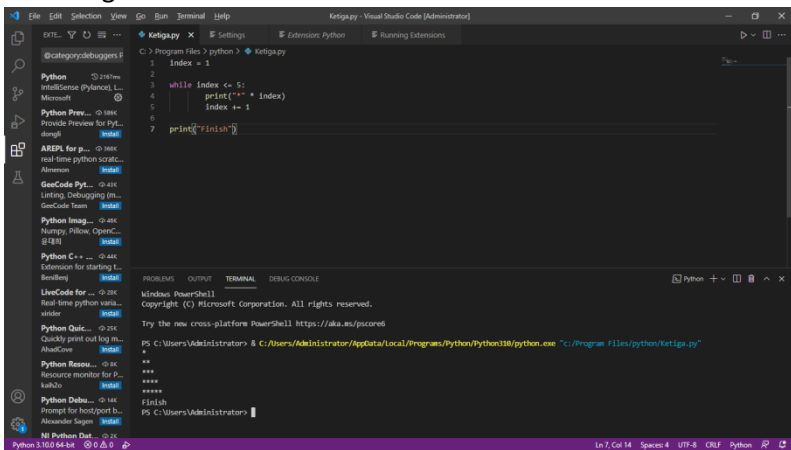
Terminal Output:

```
PS C:\Users\Administrator > C:\Users\Administrator\AppData\Local\Programs\Python\Python38\python.exe "C:\Program Files\python\ketiga.py"
Nama terlalu pendek
PS C:\Users\Administrator >
```



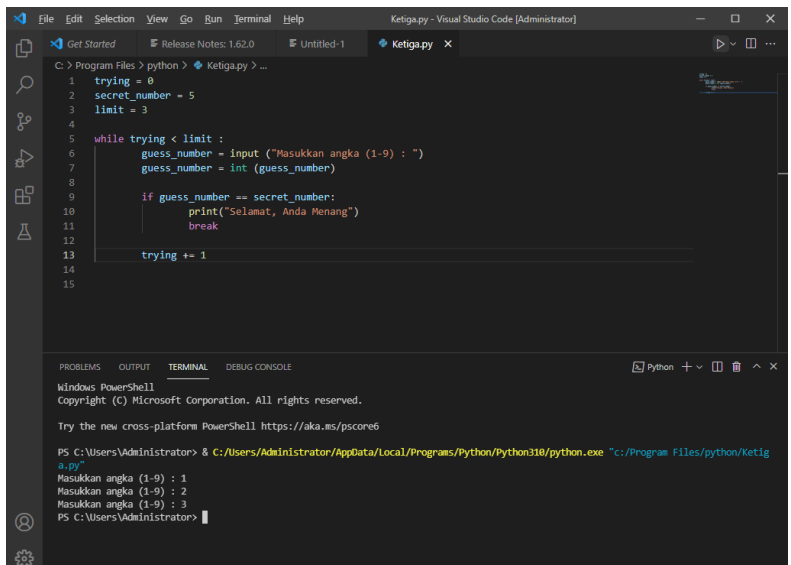
```
1 name = "Raka"
2
3 if len(name) > 4 or True :
4     print("Berhasil bergabung")
5 else:
6     print("Nama terlalu pendek")
7
8
```

4. Perulangan While



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

5. Game Tebak Angka



```
1 trying = 0
2 secret_number = 5
3 limit = 3
4
5 while trying < limit :
6     guess_number = input("Masukkan 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
```

```

1  trying = 0
2  secret_number = 5
3  limit = 3
4
5  while trying < limit :
6      guess_number = input ("Tentukan 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

```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell
Copyright (c) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell <https://aka.ms/powershell>

PS C:\Users\Administrator> & C:\Users\Administrator\AppData\Local\Programs\Python\Python38\python.exe "C:\Program Files\python\ketagapy.py"
Tentukan angka (1-9) : 5
Selamat, Anda Menang
PS C:\Users\Administrator>

6. Aplikasi Kalkulator

```

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("Hasil = (result)")
27
28     print("Terimakasih telah Menggunakan Aplikasi Kami")

```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Angka Kedua = 2
Hasil = 2.6
Perintah :

Angka Kedua = 2
Hasil = 3
Perintah : -
Angka Pertama = 4
Angka Kedua = 3
Hasil = 1
Perintah : +
Angka Pertama = 5
Angka Kedua = 2
Hasil = 18
Perintah : /
Angka Pertama = 4
Angka Kedua = 2
Hasil = 2.6
Perintah :