Nama : Muhammad Fiqar Ramadhan

Nim : 20.01.013.034
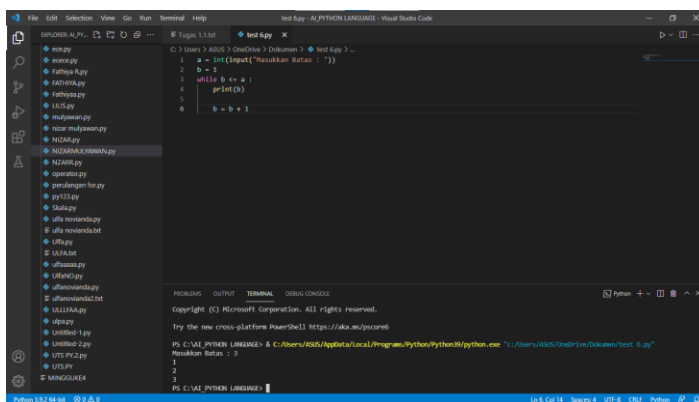
Kelas : Kecerdasan Buatan (AI-3B)

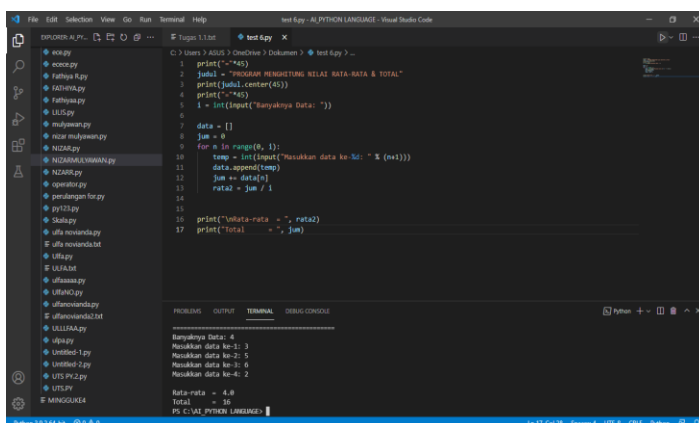1.

2.

3.

4.

```python
print("Program Menghitung Perpangkatan")

a = int(input("Masukkan Bilangan Real = "))
b = int(input("Masukkan Bilangan Pangkat = "))

result = a**b
print(f"Hasilnya = {result}")
```

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/ASUS/OneDrive/Dokumen/test 6.py"
Program Menghitung Perpangkatan
Masukkan Bilangan Real = 9
Masukkan Bilangan Pangkat = 2
Hasilnya = 81
PS C:\AI_PYTHON LANGUAGE>
```

5.

```python
result = 1
n = int(input("Masukkan bilangan bulat : "))

for i in range(1, n + 1):
    result *= i

print(f"Faktorial dari {n} adalah {result}")
```

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/ASUS/OneDrive/Dokumen/test 6.py"
Masukkan bilangan bulat : 5
Faktorial dari 5 adalah 120
PS C:\AI_PYTHON LANGUAGE>
```

6.

```python
trying = 0
secret_number = 7
limit = 3

while trying < limit :
    guess_number = input("Masukkan angka (0-10) : ")
    guess_number = int(guess_number)

    if guess_number > secret_number :
        print("Angka Tebakan Lebih Besar")
    if guess_number < secret_number :
        print("Angka Tebakan Lebih kecil")
    if guess_number == secret_number :
        print("Selamat Anda Berhasil Menebak")
        break
    trying += 1
```

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/ASUS/OneDrive/Dokumen/test 6.py"
Masukkan angka (0-10) : 3
Angka Tebakan Lebih kecil
Masukkan angka (0-10) : 9
Angka Tebakan Lebih Besar
Masukkan angka (0-10) : 7
Selamat Anda Berhasil Menebak
PS C:\AI_PYTHON LANGUAGE>
```

7.


```python
x = int(input("x = "))
y = int(input("y = "))
jml = 0
print("\n")
for n in range(x + 1, y):
    x += n
    jml += n
    print(n, end=" ")

print(f"Hasil Penjumlahan = {jml}")
```

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/ASUS/OneDrive/Dokumen/test 6.py"
x = 2
y = 9

3 4 5 6 7 8 Hasil Penjumlahan = 33
PS C:\AI_PYTHON LANGUAGE>
```

8.