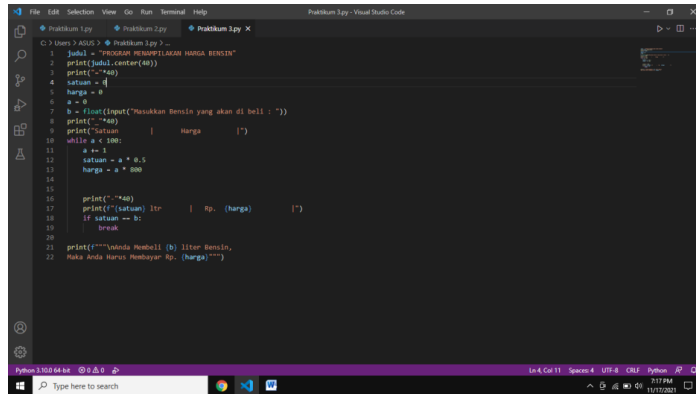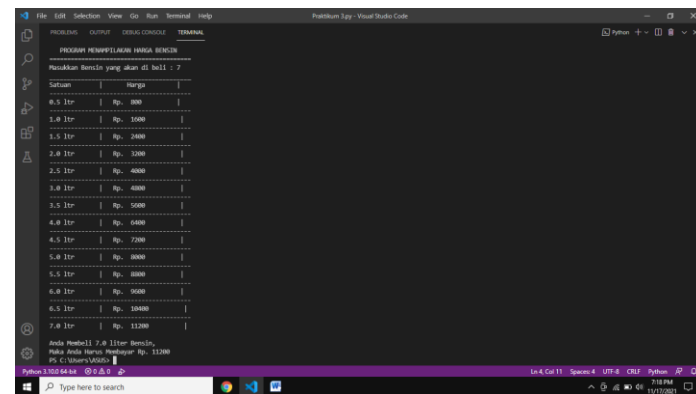Nama   : Fathiya Rohali
NIM   : 20.01.013.051
Kelas   : Informatika-B
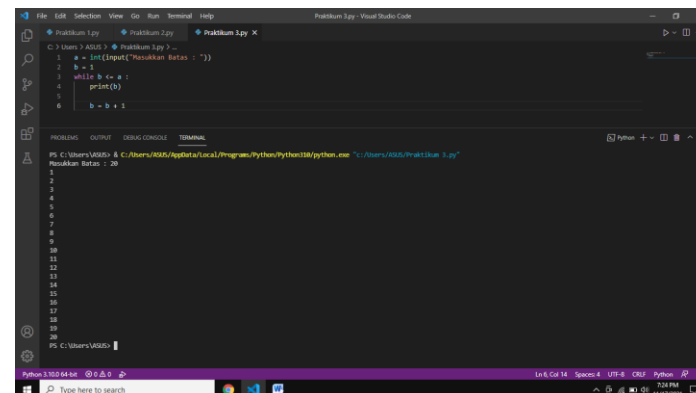Mata Kuliah   : Kecerdasan Buatan

Praktikum 3

1.

2.

3.


```python
print("="*45)
judul = "PROGRAM MENGHITUNG NILAI RATA-RATA & TOTAL"
print(judul.center(45))
print("="*45)
i = int(input("Banyaknya Data: "))

data = []
jum = 0
for n in range(0, i):
    temp = int(input("Masukkan data ke-%d: " % (n+1)))
    data.append(temp)
    jum += data[n]
    rata2 = jum / i

print("\nRata-rata  = ", rata2)
print("Total      = ", jum)
```

```
Rata-rata  = 4.5
```



```
PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Praktikum 3.py"
=============================================
   PROGRAM MENGHITUNG NILAI RATA-RATA & TOTAL
=============================================
Banyaknya Data: 8
Masukkan data ke-1: 2
Masukkan data ke-2: 1
Masukkan data ke-3: 4
Masukkan data ke-4: 6
Masukkan data ke-5: 3
Masukkan data ke-6: 5
Masukkan data ke-7: 8
Masukkan data ke-8: 7

Rata-rata  = 4.5
Total      = 36
PS C:\Users\ASUS>
```

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}")
```

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

PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Praktikum 3.py"
Program Menghitung Perpangkatan
Masukkan Bilangan Real = 8
Masukkan Bilangan Pangkat = 2
Hasilnya = 64
PS C:\Users\ASUS>
```

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}")
```

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

PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Praktikum 3.py"
Masukkan bilangan bulat : 8
Faktorial dari 8 adalah 40320
PS C:\Users\ASUS>
```

6.


```python
trying = 0
secret_number = 10
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
```

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

PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Praktikum 3.py"
Masukkan angka (0-10) : 1
Angka Tebakan Lebih Kecil
Masukkan angka (0-10) : 9
Angka Tebakan Lebih Kecil
Masukkan angka (0-10) : 10
Selamat Anda Berhasil Menebak
PS C:\Users\ASUS>
```

7.


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

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

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

PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Praktikum 3.py"
x = 4
y = 10

5 6 7 8 9 Hasil Penjumlahan = 35
PS C:\Users\ASUS>
```