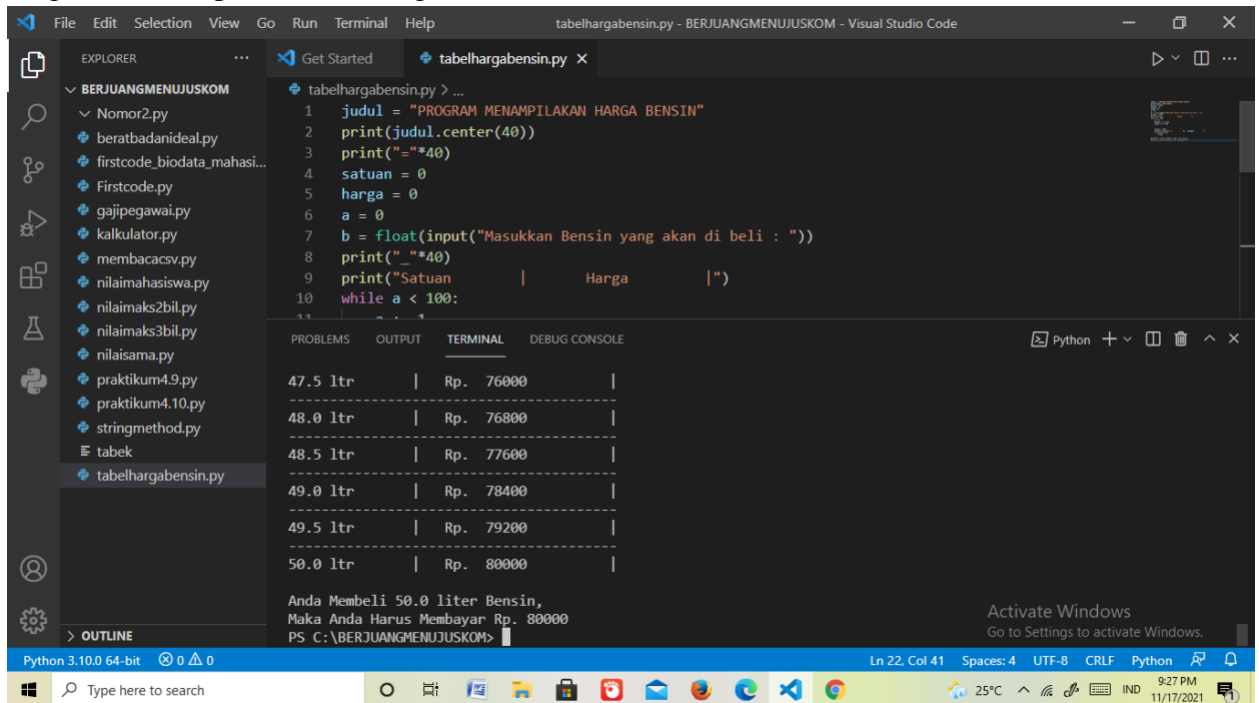


Nama : virna feбри andini

Nim : 20.01.013.017

Kelas : kecerdasan buatan B

1. Program menampilkan tabel harga bensin

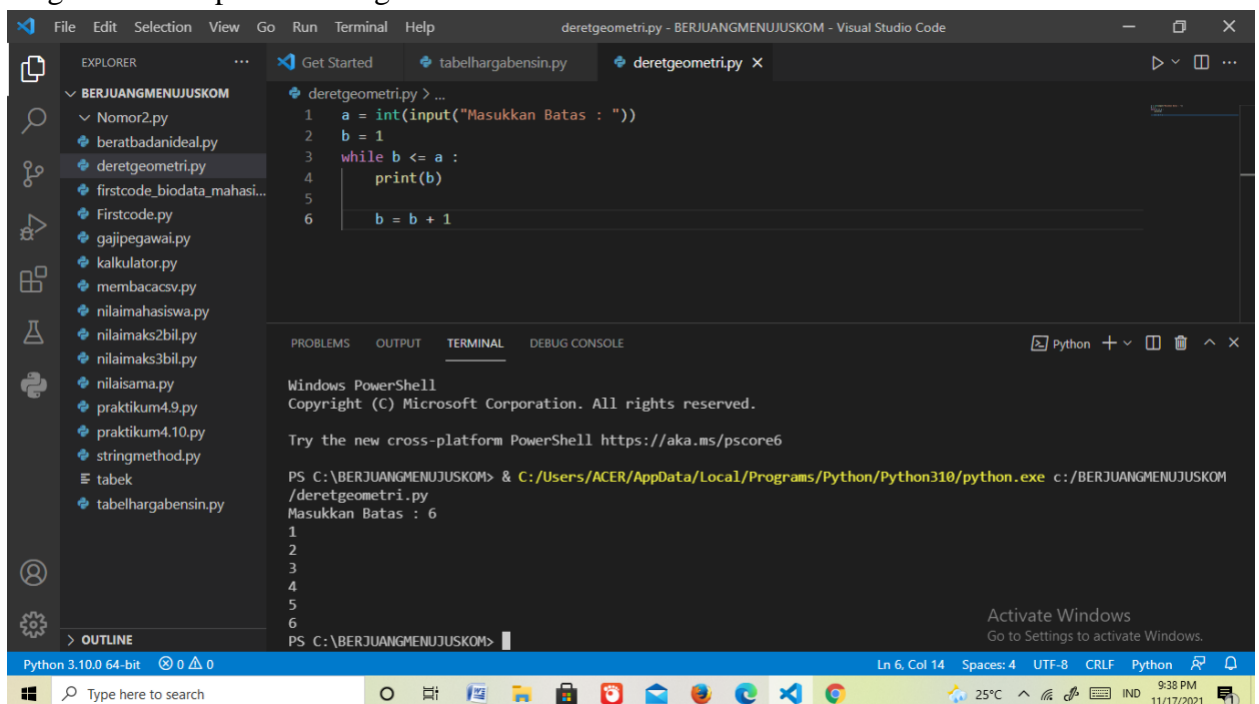


```
1 judul = "PROGRAM MENAMPILAKAN HARGA BENGIN"
2 print(judul.center(40))
3 print("="*40)
4 satuan = 0
5 harga = 0
6 a = 0
7 b = float(input("Masukkan Bensin yang akan di beli : "))
8 print("="*40)
9 print("Satuan | Harga |")
10 while a < 100:
```

Satuan	Harga
47.5 ltr	Rp. 76000
48.0 ltr	Rp. 76800
48.5 ltr	Rp. 77600
49.0 ltr	Rp. 78400
49.5 ltr	Rp. 79200
50.0 ltr	Rp. 80000

Anda Membeli 50.0 liter Bensin,
Maka Anda Harus Membayar Rp. 80000

2. Program menampilkan deret geometri



```
1 a = int(input("Masukkan Batas : "))
2 b = 1
3 while b <= a :
4     print(b)
5
6     b = b + 1
```

Windows PowerShell
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PS C:\BERJUANGMENUJUSKOM> C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:/BERJUANGMENUJUSKOM/deretgeometri.py
Masukkan Batas : 6
1
2
3
4
5
6

3. Program menentukan nilai rata rata dan total

The screenshot shows the Visual Studio Code interface with a Python file named `inputjmlNbil.py` open. The code is as follows:

```
1 print("="*45)
2 judul = "PROGRAM MENGHITUNG NILAI RATA-RATA & TOTAL"
3 print(judul.center(45))
4 print("="*45)
5 i = int(input("Banyaknya Data: "))
6
7 data = []
8 jum = 0
9 for n in range(0, i):
```

The terminal output shows the program execution:

```
PROGRAM MENGHITUNG NILAI RATA-RATA & TOTAL
=====
Banyaknya Data: 10
Masukkan data ke-1: 40
Masukkan data ke-2: 50
Masukkan data ke-3: 60
Masukkan data ke-4: 70
Masukkan data ke-5: 80
Masukkan data ke-6: 90
Masukkan data ke-7: 80
Masukkan data ke-8: 90
Masukkan data ke-9: 80
Masukkan data ke-10: 70

Rata-rata = 71.0
Total = 710
PS C:\BERJUANGMENUJUSKOM>
```

4. Program bilangan perpangkatan

The screenshot shows the Visual Studio Code interface with a Python file named `pangkat.py` open. The code is as follows:

```
1 print("Program Menghitung Perpangkatan")
2
3 a = int(input("Masukkan Bilangan Real"))
4 b = int(input("Masukkan Bilangan Pangkat"))
5
6 result = a**b
7 print(f"Hasilnya = {result}")
```

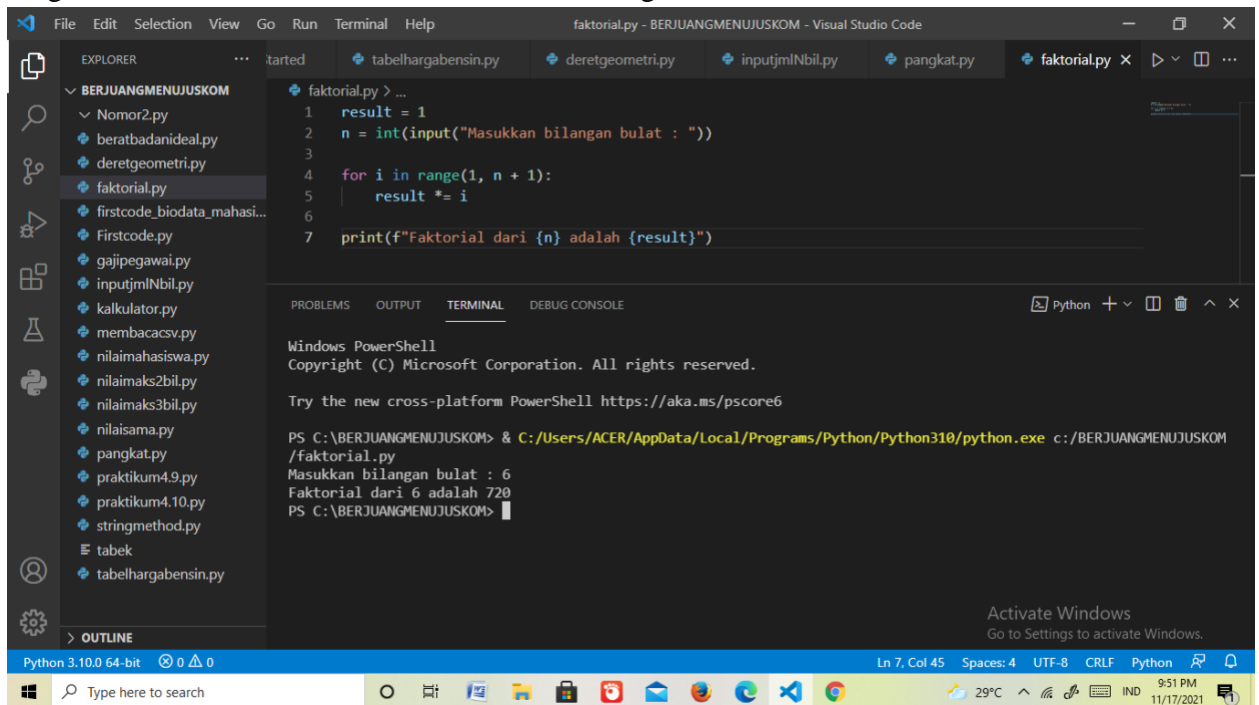
The terminal output shows the program execution:

```
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PS C:\BERJUANGMENUJUSKOM> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/BERJUANGMENUJUSKOM/pangkat.py
Program Menghitung Perpangkatan
Masukkan Bilangan Real 6
Masukkan Bilangan Pangkat 2
Hasilnya = 36
PS C:\BERJUANGMENUJUSKOM>
```

5. Program menemukan nilai faktorial sebuah bilangan



The screenshot shows the Visual Studio Code interface with a Python file named `faktorial.py` open. The code calculates the factorial of a user-input number. The terminal shows the command to run the script and the output for input 6.

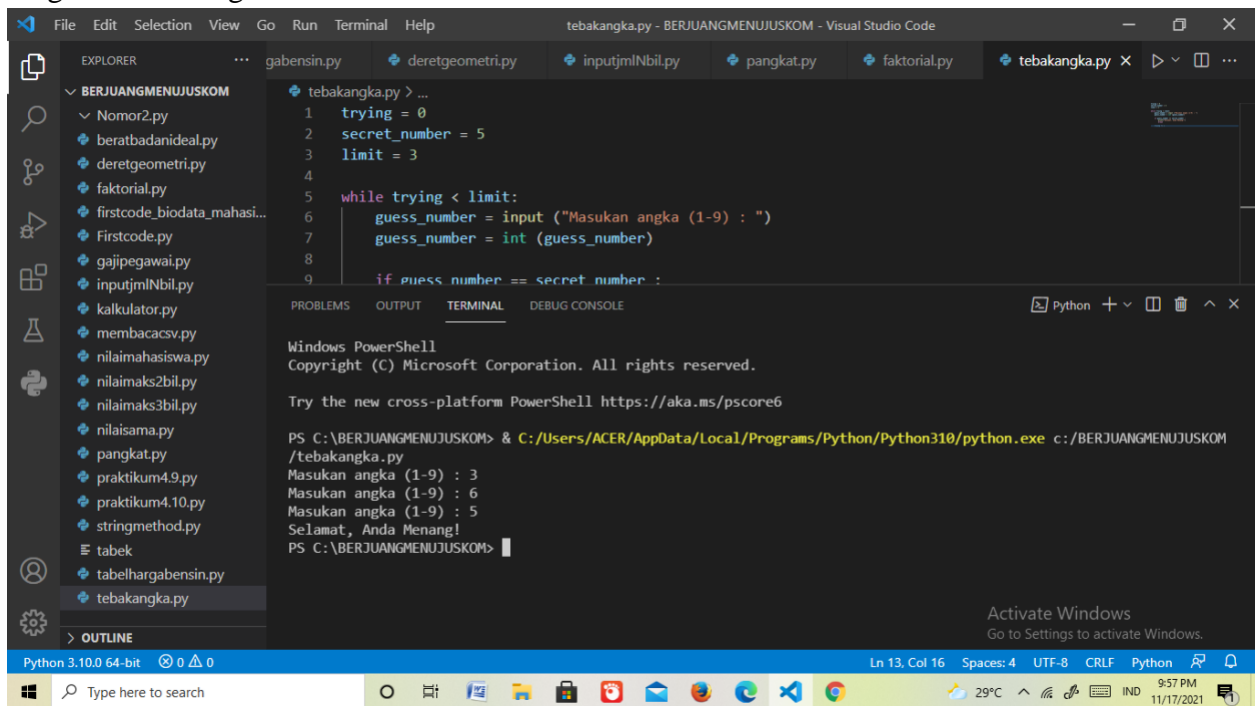
```
faktorial.py > ...
1 result = 1
2 n = int(input("Masukkan bilangan bulat : "))
3
4 for i in range(1, n + 1):
5     result *= i
6
7 print(f"Faktorial dari {n} adalah {result}")
```

Windows PowerShell
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PS C:\BERJUANGMENUJUSKOM> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/BERJUANGMENUJUSKOM/faktorial.py
Masukkan bilangan bulat : 6
Faktorial dari 6 adalah 720
PS C:\BERJUANGMENUJUSKOM>

6. Program tebak angka



The screenshot shows the Visual Studio Code interface with a Python file named `tebakangka.py` open. The code implements a number guessing game with a limit of 5 attempts. The terminal shows the command to run the script and the output for three attempts, ending with a win.

```
tebakangka.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 :
```

Windows PowerShell
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PS C:\BERJUANGMENUJUSKOM> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/BERJUANGMENUJUSKOM/tebakangka.py
Masukan angka (1-9) : 3
Masukan angka (1-9) : 6
Masukan angka (1-9) : 5
Selamat, Anda Menang!
PS C:\BERJUANGMENUJUSKOM>

7. Program menjumlahkan nilai X dan Y

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

```
1 x = int(input("x = "))
2 y = int(input("y = "))
3 jml = 0
4 print("\n")
5 for n in range(x + 1, y):
6     x += 1
7     jml += n
8     print(n, end=" ")
9
```

The terminal window at the bottom shows the execution of the program in Windows PowerShell. The user has entered `x = 4` and `y = 10`. The program output is:

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

The status bar at the bottom indicates the file is using Python 3.10.0 64-bit, with 4 spaces, UTF-8 encoding, and CRLF line endings. The system tray shows the date and time as 11/17/2021 at 10:37 PM.