

Nama : sulastri

Nim : 20.01.013.015

Kelas : kecerdasan buatan B

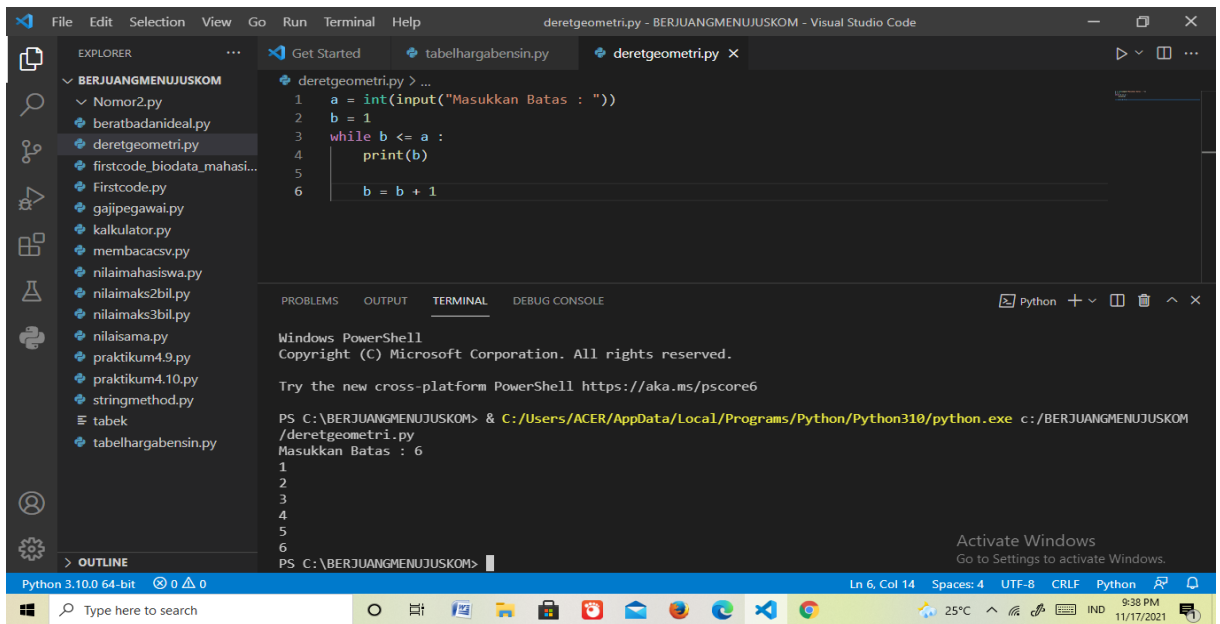
1. Program menampilkan tabel harga bensin

```
1 judul = "PROGRAM MENAMPILAKAN HARGA BENSIN"
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
PS C:\BERJUANGMENUJUSKOM>

2. Program menampilkan deret geometri



```
File Edit Selection View Go Run Terminal Help
deretgeometri.py - BERJUANGMENUJUSKOM - Visual Studio Code

EXPLORER
  BERJUANGMENUJUSKOM
    Nomor2.py
    beratbadanideal.py
    deretgeometri.py
    firstcode_biodata_mahasi...
    Firstcode.py
    gajipegawai.py
    kalkulator.py
    membacacsv.py
    nilaimahasiswa.py
    nilaimaks2bil.py
    nilaimaks3bil.py
    nilaisama.py
    praktikum4.9.py
    praktikum4.10.py
    stringmethod.py
    tabek
    tabelhargabensin.py

OUTLINE
  Python 3.10.0 64-bit 0 0 0

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

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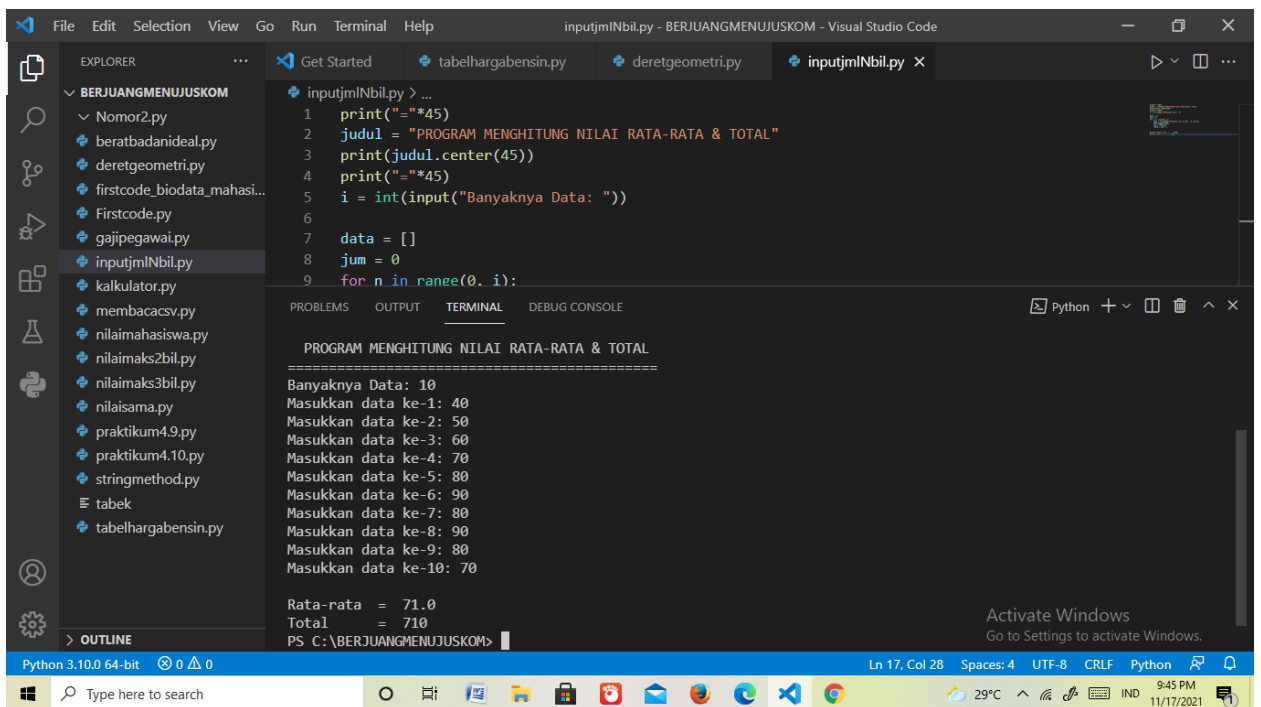
Try the new cross-platform PowerShell https://aka.ms/pscore6

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

Activate Windows
Go to Settings to activate Windows.

Ln 6, Col 14 Spaces: 4 UTF-8 CRLF Python
```

3. Program menentukan nilai rata rata dan total



```
File Edit Selection View Go Run Terminal Help
inputjmlNbil.py - BERJUANGMENUJUSKOM - Visual Studio Code

EXPLORER
  BERJUANGMENUJUSKOM
    Nomor2.py
    beratbadanideal.py
    deretgeometri.py
    firstcode_biodata_mahasi...
    Firstcode.py
    gajipegawai.py
    inputjmlNbil.py
    kalkulator.py
    membacacsv.py
    nilaimahasiswa.py
    nilaimaks2bil.py
    nilaimaks3bil.py
    nilaisama.py
    praktikum4.9.py
    praktikum4.10.py
    stringmethod.py
    tabek
    tabelhargabensin.py

OUTLINE
  Python 3.10.0 64-bit 0 0 0

inputjmlNbil.py > ...
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):

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
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

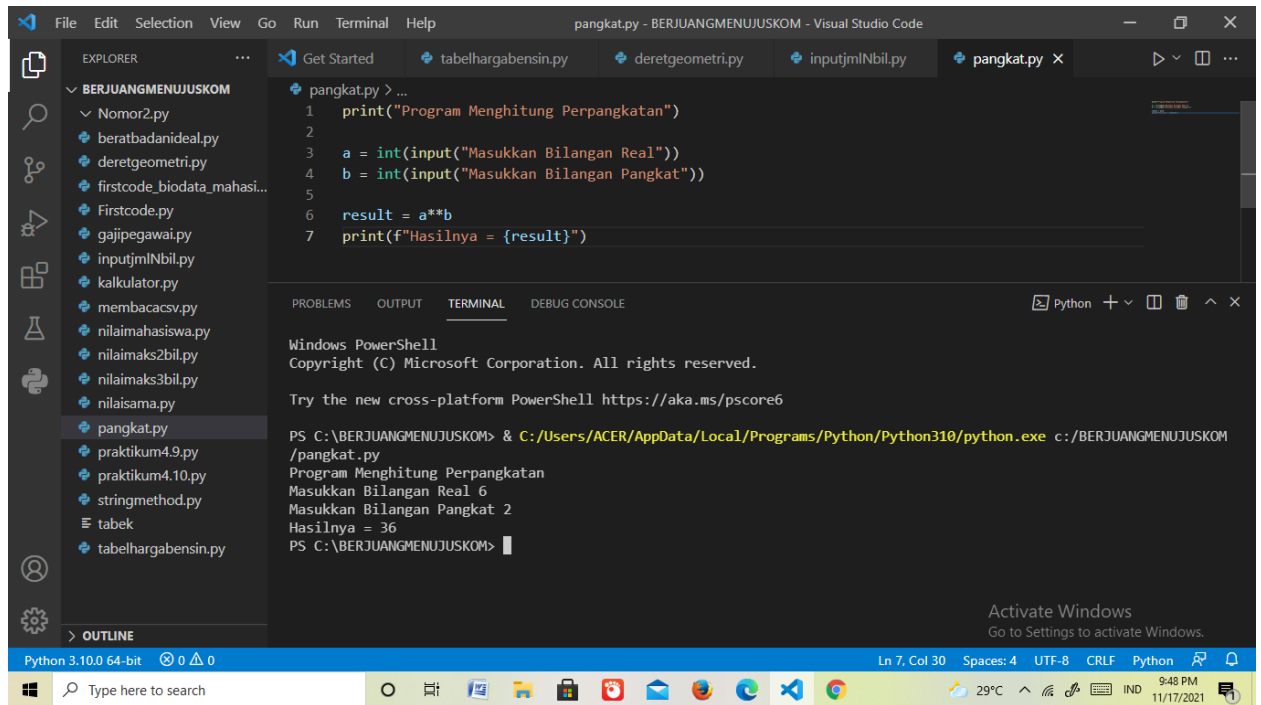
Rata-rata = 71.0
Total = 710

PS C:\BERJUANGMENUJUSKOM>

Activate Windows
Go to Settings to activate Windows.

Ln 17, Col 28 Spaces: 4 UTF-8 CRLF Python
```

4. Program bilangan perpangkatan



5. Program menentukan 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 window shows the command prompt execution, where the user enters 6, and the program outputs the factorial result, 720.

```
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 where the user has 3 attempts to guess a secret number between 1 and 9. The terminal window shows the program running, with the user making three incorrect guesses (3, 6, 5) before the program ends with the message "Selamat, Anda Menang!".

```
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 :
10         print("Selamat, Anda Menang!")
11         break
12     else:
13         print("Salah! Coba lagi.")
14         trying += 1
15
16 print("Terima kasih telah bermain!")
```

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

```
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 menampilkan penjumlahan 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)
9
```

The terminal window at the bottom shows the execution of the program. It prompts for input values `x = 4` and `y = 10`, and then displays the output:

```
5
6
7
8
9
Hasil Penjumlahan = 35
```

The status bar at the bottom indicates the Python version is 3.10.0 64-bit, and the file encoding is UTF-8. The Windows taskbar is visible at the very bottom, showing the time as 10:05 PM on 11/17/2021.

8.