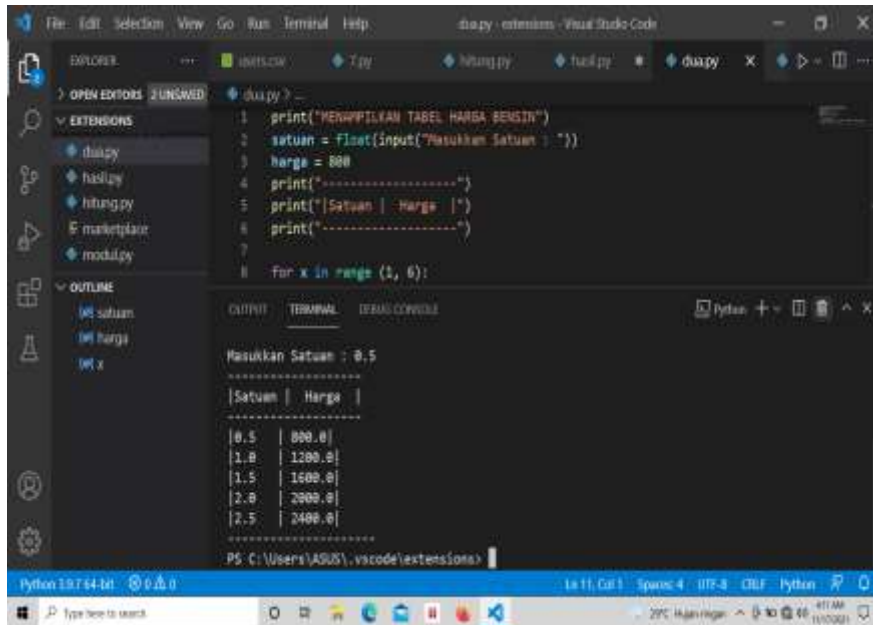


Nama : Novitasari

Nim : 20.01.013.012

Kelas : Ai_C

1. Program menampilkan tabel harga bensin.

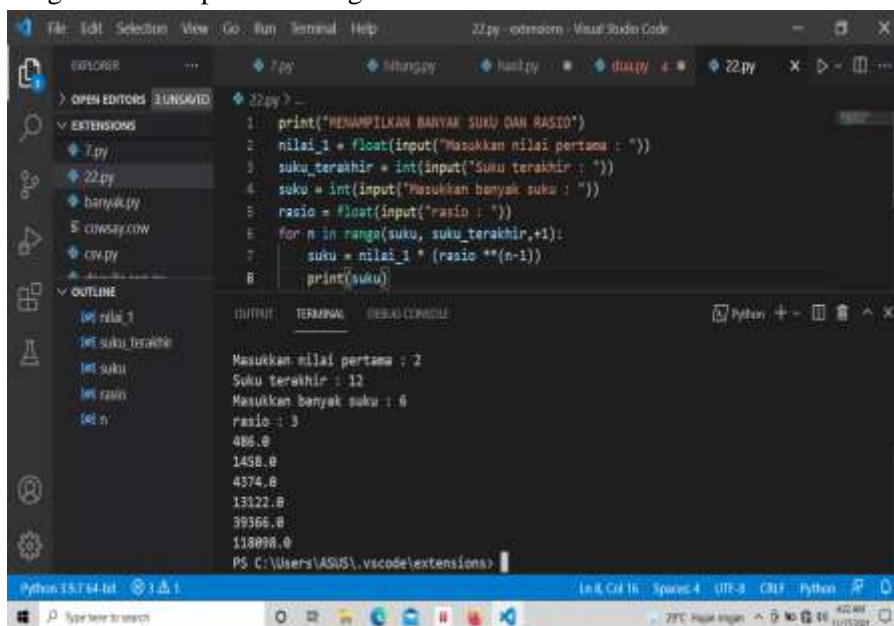


```
1 print("MENAMPILKAN TABEL HARGA BENGIN")
2 satuan = float(input("Masukkan Satuan : "))
3 harga = 800
4 print("-----")
5 print("|Satuan | Harga |")
6 print("-----")
7
8 for x in range(1, 6):
9     print(f"|{satuan} | {harga} |")
10    print("-----")
```

Masukkan Satuan : 0.5

Satuan	Harga
0.5	800.0
1.0	1200.0
1.5	1600.0
2.0	2000.0
2.5	2400.0

2. Program menampilkan deret geometri

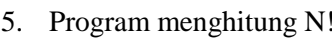


```
1 print("MENAMPILKAN BANYAK SUKU DAN RASIO")
2 nilai_1 = float(input("Masukkan nilai pertama : "))
3 suku_terakhir = int(input("Suku terakhir : "))
4 suku = int(input("Masukkan banyak suku : "))
5 rasio = float(input("rasio : "))
6 for n in range(suku, suku_terakhir+1):
7     suku = nilai_1 * (rasio ** (n-1))
8     print(suku)
```

Masukkan nilai pertama : 2
Suku terakhir : 12
Masukkan banyak suku : 6
rasio : 3

486.0
1458.0
4374.0
13122.0
39366.0
118098.0

3. Program menginput nilai N berupa nilai total dan nilai rata-rata.



```

File Edit Selection View Go Run Terminal Help
25.py - Extensions - Visual Studio Code

EXPLORER
> OPEN EDITORS (UNSAVED)
25.py
EXTENSIONS
package.json
python.configuration
README.md
25.py
22.py
23.py
24.py
25.py
bangkay.py
cowsay.py
cowsay.py
dmskapp.py
dmsk.py
hiking.py
hiking.py
OUTLINE

25.py
1 def a(n):
2     if n==0:
3         return 1
4     else:
5         return n * a(n-1)
6 n = int(input("Masukkan angka : "))
7 print(f"[n] = ", " ".join(map(str, range(n, 0, -1))), " = ", a(n))

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

PS C:\Users\ASUS\.vscode\extensions> & "C:\Program Files\Python39\python.exe" c:/Users/ASU
S/.vscode/extensions/25.py
Masukkan angka : 4
4! = 4*3*2*1 = 24
PS C:\Users\ASUS\.vscode\extensions>

```

6. Program tebak angka

```

25.py
1 import random
2 angka = random.randint(1,10)
3 while True:
4     jawaban = int(input("Masukkan angka 1 - 10 : "))
5     if jawaban == angka:
6         print("Selamat! Tebakannya benar!")
7         break
8     else:
9         print("Tebakannya terlalu", "kecil" if jawaban < angka else "besar")

OUTPUT TERMINAL DEBUG CONSOLE
Python Python
Windows PowerShell
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PS C:\Users\User\Documents\VBED> & "C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe" c:/Users/User/Document/VBED/25.py
Masukkan angka 1 - 10 : 2
Tebakannya terlalu kecil
Masukkan angka 1 - 10 : 4
Tebakannya terlalu kecil
Masukkan angka 1 - 10 : 6
Tebakannya terlalu kecil
Masukkan angka 1 - 10 : 9
Tebakannya terlalu Besar
Masukkan angka 1 - 10 : 7
Tebakannya terlalu kecil
Masukkan angka 1 - 10 : 5
Tebakannya terlalu kecil
Masukkan angka 1 - 10 : 3
Tebakannya terlalu kecil
Masukkan angka 1 - 10 : 8
Selamat! Tebakannya benar
PS C:\Users\User\Documents\VBED>

```

7. Program menampilkan bentuk N = 4



```
Python 3.7.4 Shell
1: n = int(input("Masukkan N = "))
2: for a in range(1, n+1):
3:     for b in range(a+1):
4:         print(a, b, end=" ")
5:     print("")

WINDOW: OUTPUT TERMINAL DEBUG CONSOLE
Python 3.7.4 Shell
Windows PowerShell
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PS C:\Users\User\Documents\VB1> & C:\Users\User\AppData\Local\Programs\Python\Python37\python.exe c:/Users/User/Documents/VB1/28.py
Masukkan N = 4
0 1 2 3 4
0 2 4 6 8 10
0 3 6 9 12 15 18
0 4 8 12 16 20 24 28
PS C:\Users\User\Documents\VB1>
```