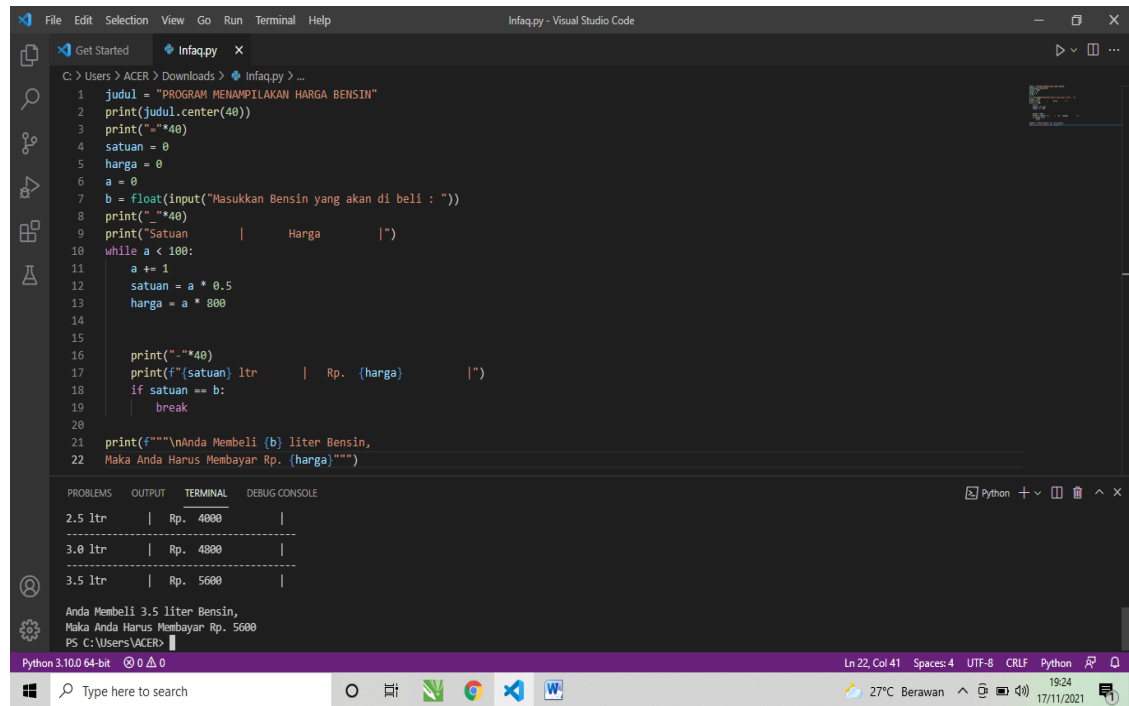


Nama: Ade Lilis Aprianti

Nim: 20.01.013.048

Kelas: AI-B

1.



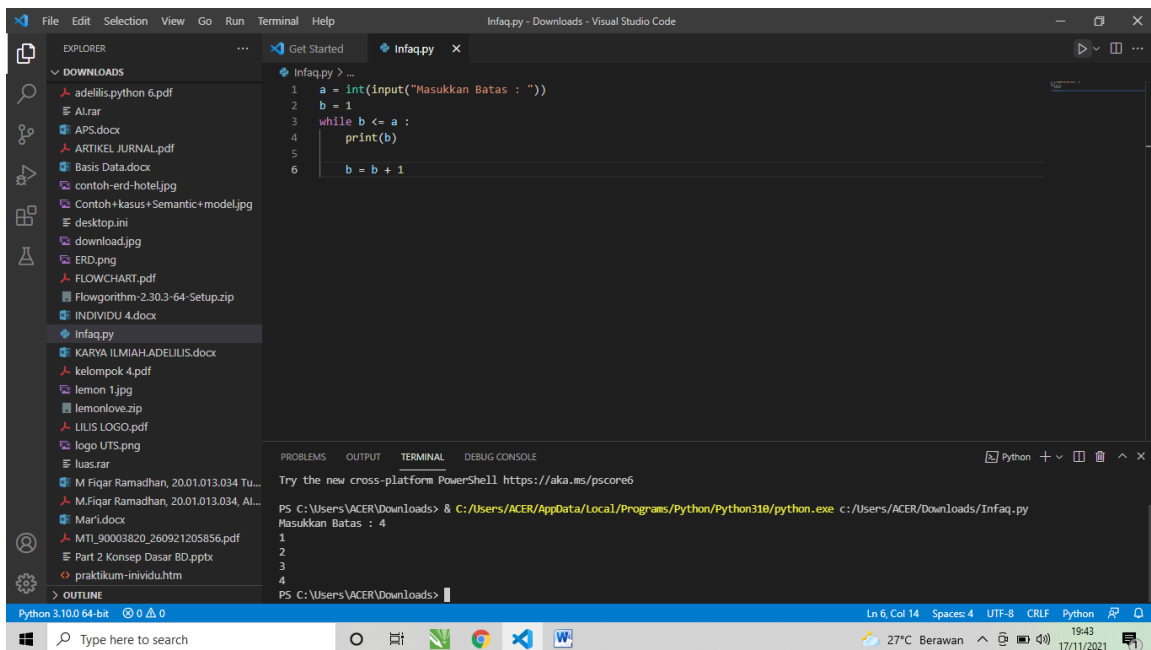
The screenshot shows a Visual Studio Code window with a Python file named 'Infaq.py'. The code is a program to calculate the cost of fuel based on the volume and price per liter. It includes a while loop to allow multiple calculations until the user enters a volume greater than 100 liters.

```
1 judul = "PROGRAM MENAMPILAKAN HARGA BENJIN"
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:
11     a += 1
12     satuan = a * 0.5
13     harga = a * 800
14
15     print("-"*40)
16     print(f"{satuan} ltr      |      Rp. {harga}      |")
17     if satuan == b:
18         break
19
20 print(f"\nAnda Membeli {b} liter Bensin,
21 Maka Anda Harus Membayar Rp. {harga}")
```

The terminal output shows the program's execution for three different inputs:

```
2.5 ltr      |      Rp. 4000      |
-----
3.0 ltr      |      Rp. 4800      |
-----
3.5 ltr      |      Rp. 5600      |
-----
Anda Membeli 3.5 liter Bensin,
Maka Anda Harus Membayar Rp. 5600
PS C:\Users\VACER>
```

2.



The screenshot shows a Visual Studio Code window with a Python file named 'Infaq.py'. The code is a simple program that calculates the sum of numbers from 1 to a user-defined limit 'n' using a while loop.

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

The terminal output shows the program's execution for an input of 4:

```
PS C:\Users\VACER\Downloads> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\Downloads\Infaq.py
Masukkan Batas : 4
1
2
3
4
PS C:\Users\VACER\Downloads>
```

3.

```

File Edit Selection View Go Run Terminal Help
Infaq.py - Downloads - Visual Studio Code

EXPLORER
> DOWNLOADS
> OUTLINE

Infaq.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):
10     temp = int(input("Masukkan data ke-{:d}: " .format(n+1)))
11     data.append(temp)
12     jum += data[n]
13     rata2 = jum / i
14
15
16 print("\nRata-rata = ", rata2)
17 print("Total = ", jum)

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python

PROGRAM MENGHITUNG NILAI RATA-RATA & TOTAL
=====
Banyaknya Data: 4
Masukkan data ke-1: 1
Masukkan data ke-2: 2
Masukkan data ke-3: 3
Masukkan data ke-4: 4

Rata-rata = 2.5
Total = 10
PS C:\Users\VACER\Downloads>

```

4.

```

File Edit Selection View Go Run Terminal Help
Infaq.py - Downloads - Visual Studio Code

EXPLORER
> DOWNLOADS
> OUTLINE

Infaq.py > ...
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("Hasilnya = {result}")

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python

PS C:\Users\VACER\Downloads> C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\Downloads\Infaq.py
Program Menghitung Perpangkatan
Masukkan Bilangan Real = 4
Masukkan Bilangan Pangkat = 3
Hasilnya = 64
PS C:\Users\VACER\Downloads>

```

5.

The screenshot shows the Visual Studio Code interface with a file named 'Infaq.py' open. The code in the editor is a Python script that calculates the factorial of a user-input number. The terminal at the bottom shows the command to run the script and the resulting output.

```

File Edit Selection View Go Run Terminal Help
Infaq.py - Downloads - Visual Studio Code

EXPLORER
> DOWNLOADS
> OUTLINE

Infaq.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}")

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

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

PS C:\Users\VACER\Downloads> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/Downloads/Infaq.py
Masukkan bilangan bulat : 4
Faktorial dari 4 adalah 24
PS C:\Users\VACER\Downloads>
  
```

6.

The screenshot shows the Visual Studio Code interface with a file named 'Untitled-1.py' open. The code in the editor is a Python script that implements a number guessing game. The terminal at the bottom shows the command to run the script and the resulting output, including user input and program feedback.

```

File Edit Selection View Go Run Terminal Help
Untitled-1.py - Downloads - Visual Studio Code

EXPLORER
> DOWNLOADS
> OUTLINE

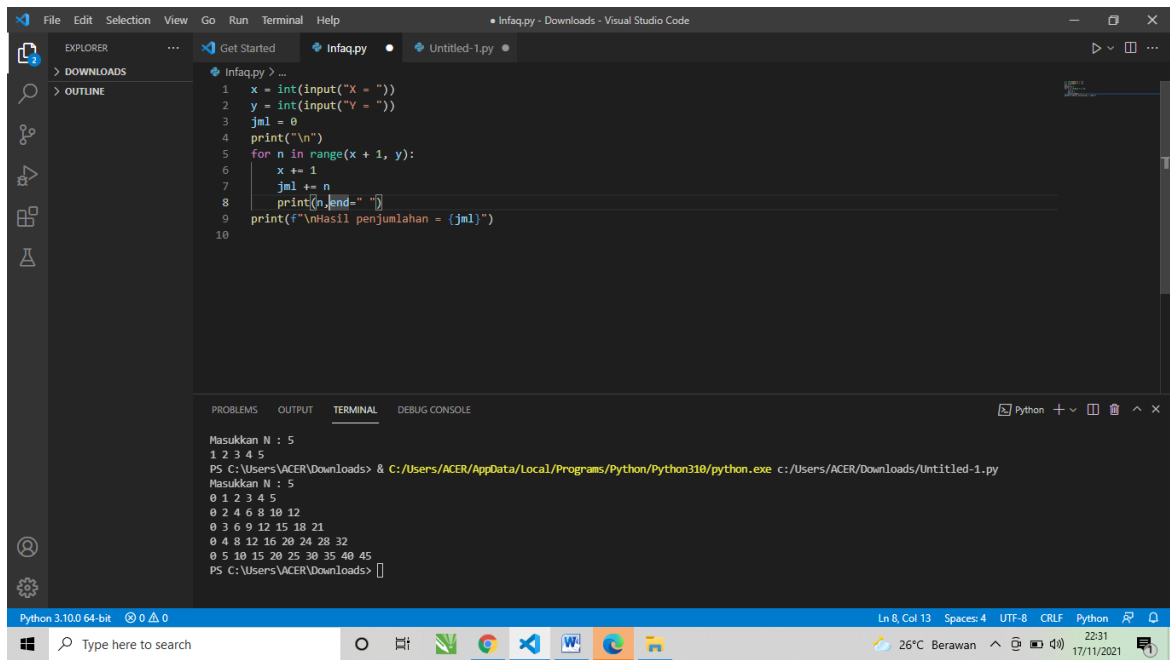
Untitled-1.py > ...
1 trying = 0
2 secret_number = 7
3 limit = 3
4
5 while trying < limit :
6     guess_number = input("Masukkan angka (0-10) : ")
7     guess_number = int(guess_number)
8
9     if guess_number > secret_number :
10        print("Angka Tebakan Lebih Besar")
11    if guess_number < secret_number :
12        print("Angka Tebakan Lebih kecil")
13    if guess_number == secret_number :
14        print("Selamat Anda Berhasil Menebak")
15        break
16    trying += 1

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Copyright (C) Microsoft Corporation. All rights reserved.

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

PS C:\Users\VACER\Downloads> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/Downloads/Untitled-1.py
Masukkan angka (0-10) : 8
Angka Tebakan Lebih Besar
Masukkan angka (0-10) : 5
Angka Tebakan Lebih kecil
Masukkan angka (0-10) : 7
Selamat Anda Berhasil Menebak
PS C:\Users\VACER\Downloads>
  
```

7.



The screenshot shows the Visual Studio Code interface with a Python file named `Infag.py` open. The code is a simple program that takes two inputs, `x` and `y`, and calculates the sum of integers from `x` to `y` using a `for` loop. The terminal output shows the program being executed with `x=1` and `y=5`, resulting in the sum of 15.

```
File Edit Selection View Go Run Terminal Help
• Infag.py - Downloads - Visual Studio Code

EXPLORER
> DOWNLOADS
> OUTLINE

Get Started
Infag.py
Untitled-1.py

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 print(f"\nHasil penjumlahan = {jml}")
10

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python + - [ ] [X] [X]

Masukkan N : 5
1 2 3 4 5
PS C:\Users\VACER\Downloads> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/Downloads/Untitled-1.py
Masukkan N : 5
0 1 2 3 4 5
0 2 4 6 8 10 12
0 3 6 9 12 15 18 21
0 4 8 12 16 20 24 28 32
0 5 10 15 20 25 30 35 40 45
PS C:\Users\VACER\Downloads>
```

Python 3.10.0 64-bit 0 0 0 Ln 8, Col 13 Spaces: 4 UTF-8 CRLF Python 22:31 17/11/2021