

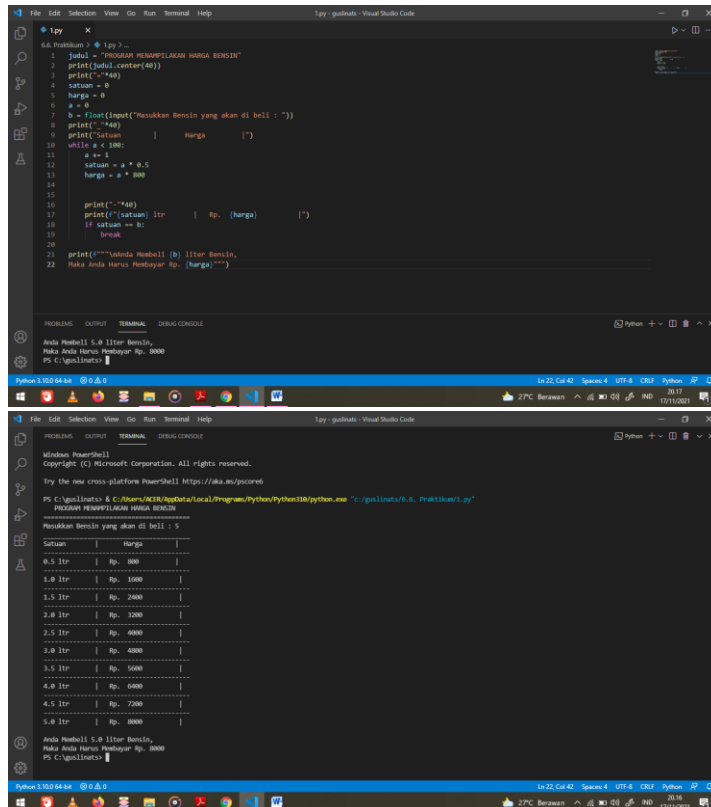
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Kelas : Artificial Intelligence - 3B

## TUGAS PRAKTIKUM PYTHON-3

1.



```
1 py
6.6 Pratikum > 1.py >
1 judul = "PROGRAM PEMERIKSAAN 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 < 1000:
11     a += 1
12     satuan = a * 0.5
13     harga = a * 800
14
15
16 print("--40")
17 print("Satuan |litr | Rp. | (harga) |")
18 if satuan == b:
19     break
20
21 print("====Ukura Membell (b) liter Bensin,")
22 Paka Anda Harus Membayar Rp. (harga)===="
```

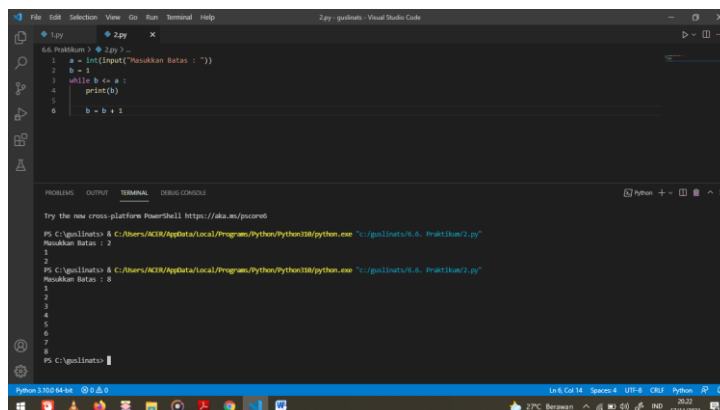
Python 3.10.5 64-bit

Anda Membell 5.0 liter Bensin,  
Paka Anda Harus Membayar Rp. 8000  
PS C:\guslinatu>

Python 3.10.5 64-bit

Microsoft PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
Try the new cross-platform PowerShell <https://aka.ms/powershell>  
PS C:\guslinatu> C:\Users\NCIR\AppData\Local\Programs\Python\Python118\python.exe "C:\guslinatu\6.6. Pratikum\1.py"  
PROGRAM PEMERIKSAAN HARGA BENJIN  
Masukkan Bensin yang akan di beli : 5  
Satuan | Harga |  
0.5 liter | Rp. 800 |  
1.0 liter | Rp. 1600 |  
1.5 liter | Rp. 2400 |  
2.0 liter | Rp. 3200 |  
2.5 liter | Rp. 4000 |  
3.0 liter | Rp. 4800 |  
3.5 liter | Rp. 5600 |  
4.0 liter | Rp. 6400 |  
4.5 liter | Rp. 7200 |  
5.0 liter | Rp. 8000 |  
Anda Membell 5.0 liter Bensin,  
Paka Anda Harus Membayar Rp. 8000  
PS C:\guslinatu>

2.



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

Python 3.10.5 64-bit

Try the new cross-platform PowerShell <https://aka.ms/powershell>  
PS C:\guslinatu> C:\Users\NCIR\AppData\Local\Programs\Python\Python118\python.exe "C:\guslinatu\6.6. Pratikum\2.py"  
Masukkan Batas : 2  
1  
2  
PS C:\guslinatu> C:\Users\NCIR\AppData\Local\Programs\Python\Python118\python.exe "C:\guslinatu\6.6. Pratikum\2.py"  
Masukkan Batas : 8  
1  
2  
3  
4  
5  
6  
7  
8  
PS C:\guslinatu>

The image displays two sequential screenshots of a Visual Studio Code editor window, illustrating the execution of a Python script.

**Top Screenshot:** The editor shows a file named `3.py` with the following Python code:

```

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 print("rata-rata = ", rata2)
16 print("total = ", jum)

```

The status bar at the bottom indicates the file is `Python 3.10.8 64-bit` and the interpreter is `Python 3.10.8`.

**Bottom Screenshot:** The same editor window shows the output of the program. The terminal output is as follows:

```

PROGRAM MENGHITUNG NILAI RATA-RATA & TOTAL

Banyaknya Data: 5
Masukkan data ke-1: 8
Masukkan data ke-2: 4
Masukkan data ke-3: 8
Masukkan data ke-4: 7
Masukkan data ke-5: 5

rata-rata = 6.4
total = 28
PS C:\gislains>

```

The status bar at the bottom of the second screenshot shows the file is `Python 3.10.8 64-bit` and the interpreter is `Python 3.10.8`.

The screenshot displays the Visual Studio Code interface with a Python file named `4.py` open. The code is as follows:

```

1 print("Program Menghitung Persegi Panjang")
2
3 a = int(input("Masukkan Bilangan Real = "))
4 b = int(input("Masukkan Bilangan Pangkat = "))
5
6 result = a*b
7 print("Hasilnya = (result)")

```

The terminal window at the bottom shows the execution of the script in a Windows PowerShell environment:

```

PS C:\Users\user> cd C:\Users\user\AppData\Local\Programs\Python\Python38-64\python.exe "c:/Users/user/PycharmProjects/Praktikum/4.py"
Program Menghitung Persegi Panjang
Masukkan Bilangan Real = 2
Masukkan Bilangan Pangkat = 5
Hasilnya = 32
PS C:\Users\user>

```

The status bar at the bottom indicates the file is `4.py`, line 7, column 15, and the Python interpreter is set to `Python 3.8.6 64-bit`.

The screenshot shows the Visual Studio Code interface with a Python file named `praktikum5.py`. The code defines a function `faktorial(n)` that calculates the factorial of a number `n` using a loop. The main part of the program prompts the user to enter a number and prints the result.

```
def faktorial(n):  
    result = 1  
    for i in range(1, n + 1):  
        result *= i  
    return result  
  
n = int(input("Masukkan bilangan bulat : "))  
print(f"Faktorial dari {n} adalah {faktorial(n)}")
```

The bottom panel shows the terminal output:

```
PS C:\Users\AKM> python .\C:\Users\AKM\AppData\Local\Program\Python\Python38\python.exe "c:/gallitau/S.S. Pratikum5.py"  
Masukkan bilangan bulat : 4  
Faktorial dari 4 adalah 24  
PS C:\Users\AKM> python .\C:\Users\AKM\AppData\Local\Program\Python\Python38\python.exe "c:/gallitau/S.S. Pratikum5.py"  
Masukkan bilangan bulat : 8  
Faktorial dari 8 adalah 40320  
PS C:\Users\AKM>
```

6.

```

6.6. Praktekum > 6.py > ...
1  trying = 0
2  secret_number = 8
3  limit = 10
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 tersebut lebih Besar")
11     if guess_number < secret_number :
12         print("Angka tersebut lebih kecil")
13     if guess_number == secret_number :
14         print("Selamat Anda Berhasil Memebuk")
15     break
16     trying += 1

```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

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

PS C:\goinits> & C:\Users\ACB\AppData\Local\Programs\Python\Python38\python.exe "C:\goinits\6.6. Praktekum\6.py"

Masukkan angka (0-10) : 6  
Angka tersebut lebih Besar  
Masukkan angka (0-10) : 7  
Angka tersebut lebih kecil  
Masukkan angka (0-10) : 8  
Selamat Anda Berhasil Memebuk  
PS C:\goinits>

7.

```

6.6. Praktekum > 7.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("\n")
10
11  print("Hasil Penjumlahan = {jml}")

```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

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

PS C:\goinits> & C:\Users\ACB\AppData\Local\Programs\Python\Python38\python.exe "C:\goinits\6.6. Praktekum\7.py"

x = 4  
y = 10

5 6 7 8 9

Hasil Penjumlahan = 35  
PS C:\goinits>