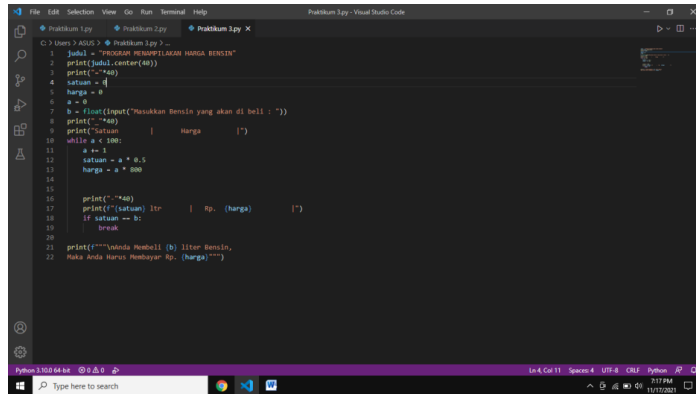


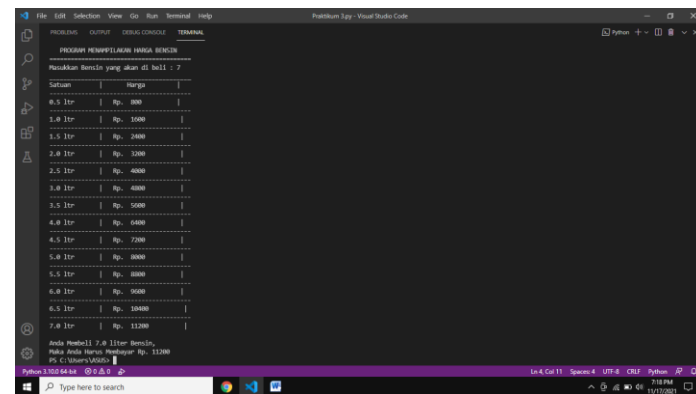
Nama : Fathiya Rohali
NIM : 20.01.013.051
Kelas : Informatika-B
Mata Kuliah : Kecerdasan Buatan

Praktikum 3

1.

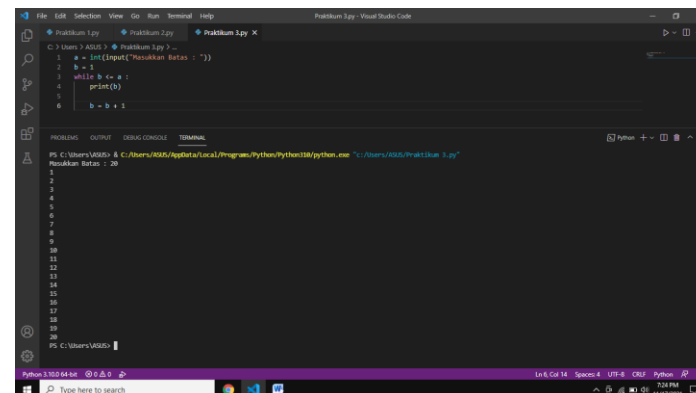


```
1 judul = "Program Menentukan Harga Bensin"
2 print(judul.center(40))
3 print("-" * 40)
4 satuan = {}
5 harga = {}
6 a = 0
7 b = float(input("Masukkan Bensin yang akan di beli : "))
8 print("-" * 40)
9 print("Satuan | Harga |")
10 while a < 1000:
11     a += 1
12     satuan = a * 0.5
13     harga = a * 800
14
15 print("-" * 40)
16 print(f"Satuan | Harga |")
17 print(f"Satuan | Rp. |")
18 if satuan == b:
19     break
20
21 print(f"Masukkan Bensin (b) liter Bensin,")
22 print(f"Jika Anda Harus Membayar Rp. (harga)")
```



```
PROGRAM MENENTUKAN HARGA BENJIN
Masukkan Bensin yang akan di beli : 7
Satuan | Harga |
8.5 ltr | Rp. 800 |
1.0 ltr | Rp. 1000 |
1.5 ltr | Rp. 2000 |
2.0 ltr | Rp. 3000 |
2.5 ltr | Rp. 4000 |
3.0 ltr | Rp. 4800 |
3.5 ltr | Rp. 5000 |
4.0 ltr | Rp. 6000 |
4.5 ltr | Rp. 7000 |
5.0 ltr | Rp. 8000 |
5.5 ltr | Rp. 9000 |
6.0 ltr | Rp. 10000 |
6.5 ltr | Rp. 10400 |
7.0 ltr | Rp. 11200 |
Anda Masuk 7.0 liter Bensin,
Jika Anda Harus Membayar Rp. 11200
PS C:\Users\MAHDI>
```

2.



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

3.

```

1 print("====")
2 judul = "PROGRAM MENGHITUNG NILAI DATA & TOTAL"
3 print(judul, center(45))
4 print("====")
5 l = int(input("Banyaknya Data: "))
6
7 data = []
8 jum = 0
9 for n in range(0, l):
10     temp = int(input("Masukkan data ke-{}: ".format(n+1)))
11     data.append(temp)
12     jum += data[n]
13     rata2 = jum / l
14
15 print("rata-rata = ", rata2)
16 print("total = ", jum)

```

Terminal output:

```

Data-rata = 4.5

```

4.

```

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 = {}".format(result))

```

Terminal output:

```

Program Menghitung Perpangkatan
Masukkan Bilangan Real = 8
Masukkan Bilangan Pangkat = 2
Hasilnya = 64

```

5.

```

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("Faktorial dari {} adalah {}".format(n, result))

```

Terminal output:

```

Masukkan bilangan bulat : 8
Faktorial dari 8 adalah 40320

```

6.

```

1 # Praktikum 1.py
2
3 # Guessing game
4
5 # Secret number
6 secret_number = 10
7
8 # Limit
9 limit = 3
10
11 while trying < limit:
12     guess_number = input("Masukkan angka (0-99) : ")
13     guess_number = int(guess_number)
14
15     if guess_number > secret_number:
16         print("Angka terlalu besar")
17     elif guess_number < secret_number:
18         print("Angka terlalu kecil")
19     elif guess_number == secret_number:
20         print("Selamat Anda Berhasil Memetak")
21         break
22     trying += 1
23
24
25

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

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

```

PS C:\Users\AG05> & C:\Users\AG05\AppData\Local\Programs\Python\Python38\python.exe "C:\Users\AG05\Praktikum 1.py"
Masukkan angka (0-99) : 11
Angka terlalu kecil
Masukkan angka (0-99) : 9
Angka terlalu kecil
Masukkan angka (0-99) : 38
Selamat Anda Berhasil Memetak
PS C:\Users\AG05>

```

Python 3.8.2664-bit 32-bit 64-bit 100% Python 3.8.2664-bit 100% Python 3.8.2664-bit 100%

7.

```

1 # Praktikum 1.py
2
3 # Guessing game
4
5 # Secret number
6 secret_number = 10
7
8 # Limit
9 limit = 3
10
11 while trying < limit:
12     guess_number = input("Masukkan angka (0-99) : ")
13     guess_number = int(guess_number)
14
15     if guess_number > secret_number:
16         print("Angka terlalu besar")
17     elif guess_number < secret_number:
18         print("Angka terlalu kecil")
19     elif guess_number == secret_number:
20         print("Selamat Anda Berhasil Memetak")
21         break
22     trying += 1
23
24
25

```

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```

PS C:\Users\AG05> & C:\Users\AG05\AppData\Local\Programs\Python\Python38\python.exe "C:\Users\AG05\Praktikum 1.py"
Masukkan angka (0-99) : 11
Angka terlalu kecil
Masukkan angka (0-99) : 9
Angka terlalu kecil
Masukkan angka (0-99) : 38
Selamat Anda Berhasil Memetak
PS C:\Users\AG05>

```

Python 3.8.2664-bit 32-bit 64-bit 100% Python 3.8.2664-bit 100% Python 3.8.2664-bit 100%