

Nama : Hadijatol Kadri

kelas : AI-A

Nim : 20.01.013.006

Py 3

1. menampilkan tabel harga bensin

```
20.py > .-
1 a=int(input("Masukkan N = "))
2 for a in range(1,a+1):
3     for b in range(a+1):
4         print(a,b,end=" ")
5     print("")
6
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell  
Copyright (C) 2013 Microsoft Corporation. All rights reserved.

PS C:\Users\User\Documents>  
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

2. menampilkan deret geometri

```
27.py > .-
1 a=int(input("x = "))
2 y=int(input("y = "))
3 a=[]
4 for x in range(x,y):
5     a.append(x)
6 a.pop(0)
7 toString = ' '.join(map(str, a))
8 print("Deret = ",toString)
9 print(f"Jumlah = {sum(a)}")
10
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell  
Copyright (C) 2013 Microsoft Corporation. All rights reserved.

PS C:\Users\User\Documents>  
x = 4  
y = 10  
Deret = 5 6 7 8 9  
Jumlah = 35

### 3. Menginput nilai N

```

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 tebakkamu benar")
7         break
8     else:
9         print("Tebakkamu terlalu", "kecil" if jawaban < angka else "besar")

```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell  
Copyright (C) 2013 Microsoft Corporation. All rights reserved.

PS C:\Users\User\Documents  
Masukkan angka 1 - 10 : 2  
Tebakkamu terlalu kecil  
Masukkan angka 1 - 10 : 4  
Tebakkamu terlalu kecil  
Masukkan angka 1 - 10 : 6  
Tebakkamu terlalu kecil  
Masukkan angka 1 - 10 : 9  
Tebakkamu terlalu Besar  
Masukkan angka 1 - 10 : 7  
Tebakkamu terlalu kecil  
Masukkan angka 1 - 10 : 5  
Tebakkamu terlalu kecil  
Masukkan angka 1 - 10 : 3  
Tebakkamu terlalu kecil  
Masukkan angka 1 - 10 : 8  
Selamat tebakkamu benar

### 4.menghitung nilai x real

```

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))

```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell  
Copyright (C) 2013 Microsoft Corporation. All rights reserved.

PS C:\Users\User\Documents\  
Masukkan angka : 4  
4!= 4\*3\*2\*1 = 24

## 5. program menghitung nilai N

```
Python 3.4.3 > ...
1 x=float(input("Masukkan bilangan real (x) : "))
2 y=int(input("Masukkan bilangan bulat (y) : "))
3 z=x**y
4 print(f"Jadi jumlah x pangkat y = {z}")

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell
Copyright (C) 2013 Microsoft Corporation. All rights reserved.

PS C:\Users\User\Documents>
Masukkan bilangan real (x) : 4
Masukkan bilangan bulat (y) : 2
Jadi jumlah x pangkat y = 64.0
```

## 6. Program tebak angka

```
Python 3.4.3 > ...
1 nilai = int(input("Jumlah nilai : "))
2 y = []
3 for n in range(1, nilai+1):
4     p= int(input(f"Nilai (n) : "))
5     y.append(p)
6 print(f"Total : {sum(y)}")
7 print(f"rata-rata : {sum(y)/nilai}")

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell
Copyright (C) 2013 Microsoft Corporation. All rights reserved.

PS C:\Users\User\Documents>
Jumlah nilai : 5
Nilai 1 : 2
Nilai 2 : 4
Nilai 3 : 6
Nilai 4 : 8
Nilai 5 : 10
Total : 30
Rata-rata : 6.0
```

## 7. program menampilkan sejumlah bilangan

```
22py>-.
1  nilai = float(input("Masukkan Nilai Awal : "))
2  suku_terakhir = int(input("Suku terakhir : "))
3  suku = int(input("Masukkan banyak suku : "))
4  rasio = float(input("Rasio : "))
5  for n in range(suku, suku_terakhir-1):
6      suku = nilai*(rasio**(n-1))
7      print(suku)
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell  
Copyright (C) 2013 Microsoft Corporation. All rights reserved.

PS C:\Users\User\Documents\  
Masukkan Nilai Awal : 4  
Suku terakhir : 10  
Masukkan banyak suku : 5  
Rasio : 2  
64.0  
128.0  
256.0  
512.0  
1024.0  
2048.0

## 8. Pengulangan tersarang

```
21py>-.
1  satuan = float(input("Masukkan Satuan : "))
2  harga = 800
3  print("-----")
4  print("|Satuan | Harga |")
5  print("-----")
6  for A in range(1, 6):
7      print(f"|{satuan*A} | {harga*A*satuan-(harga*satuan)}|")
8  print("-----")
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell  
Copyright (C) 2013 Microsoft Corporation. All rights reserved.

PS C:\Users\User\Documents\  
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
-----