TUGAS 3

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AI

```python
#nomor 1
n=int(input("Masukkan Nilai N :"))
print ("Satuan \t | Harga | ")
satuan = 0.5
harga = 800

for i in range (n) :
    print(f"{satuan}\t | {harga}\t| ")
    satuan = satuan + 0.5
    harga = harga + 800

print("\n")
```

```python
#nomor 2
n =int(input("Masukkan Nilai Awal :"))
suku =int(input("Masukkan banyaknya suku :"))
rasio =int(input("Masukkan Rasio :"))

for i in range (rasio) :
    print(f"Suku ke {i+1} : {n}")
    n*=rasio
```

```python
#nomor 3
x=int(input("Input berapa bilangan ="))
ni=[]
jmlh=0

for i in range(n) :
    junk=int(input(f"Masukkan Nilai Ke {i+1}: "))
    ni.append(junk)
    jmlh +=ni[i]

print("Total Nilai : " +str(jmlh))
rata=jmlh/n
print("Rata-rata : "+str(rata))
```

```python
#nomor 4
x=int(input("Masukkan Nilai : "))
y=int(input("Masukkan Nilai pangkat :"))
jumlah=1
for i in range (y):
    jumlah=jumlah*x

print(f"{x}^y{y} = {jumlah}")
```

```python
#nomor 5
nilai = int(input('Masukkan Nilai N: '))
faktorial = 1

for i in range(1, nilai + 1):
    faktorial *= i

print(f'{nilai}! = {faktorial}')
```

```python
#nomor 6
import random

acak = random.randint(0, 10)

print('=' * 40)
print('Kami telah memiliki angka, silakan tebak!')
print('=' * 40)

batas = 5
for percobaan in range(batas):
    jawaban = int(input(f'\n[Percobaan {percobaan + 1}] Masukkan angka: '))

    if jawaban == acak:
        print('Selamat, tebakanmu benar!')
        break
    else:
        print(
            'Tebakanmu terlalu',
            'kecil' if jawaban < acak else 'besar'
        )
else:
    print(f'\nSayang sekali, kamu sudah salah menebak sebanyak {acak}x!')
```

```python
#nomor 7
jmlh=0
print("Deret =" , end=' ' , flush=True)
for i in range(y) :
    x=x+1
    jmlh += x
    print(x, "  " , end=" " , flush=True)
    if x == y-1:
        break
print()
print("Jumlah =" , jmlh)
```

```python
#Nomor 8

#8.A
nomor = 1
berhenti = 5
kolom = 3

for i in range(kolom):
    for column in range(0, berhenti):
        print(nomor, end=' ')
        nomor = nomor + 1
    print("")
    kolom += 0
#8.B
n=5
x=n
for i in range(n):
    print(n)
    for j in range(n):
        print(x," ", end=" " , flush=True)
        x=x-1
        if j == 1:
            x=n
            print()
            for q in range(n):
                x=n
                print()
                for w in range(n):
                    print(x," ", end=" " ,flush=True)
                    x= x-1
                    if w == 3:
                        x=n
                        print()
                        break
    break
```

```python
#8.C
x=5
x=n

for i in range(n, 0,-1):
    for j in range(1, i=1):
        print(j,end=" ")
#8.D
n=4
j=3
p=n*2
a=1
for i in range(n):
    print(a,"\t",end=" ",flush=True)
    a=a+1
    if i == n-1 :
        print()
        for i in range(n):
            print(a,"\t", end=" " , flush=True)
            a=a+1
            if i == n-1:
                print()
                for i in range (n):
                    print(a,"\t",end=" ",flush=True)
                    a=a+1

#8.E
jmlh_angka=1
for i in range(1,5):

    for j in range(3):
        print(jmlh_angka,end=" ")
        jmlh_angka=i
        jmlh_angka=jmlh_angka+1
```