

TUGAS 3

Nama : Fani Aulias Furqan

NIM: 211001124

AI

```
1  #nomor 1
2  n=int(input("Masukkan Nilai N :"))
3  print ("Satuan \t | Harga | ")
4  satuan = 0.5
5  harga = 800
6
7  for i in range (n) :
8      print(f"{satuan}\t | {harga}\t| ")
9      satuan = satuan + 0.5
10     harga = harga + 800
11
12  print("\n")
```

```
14  #nomor 2
15  n =int(input("Masukkan Nilai Awal :"))
16  suku =int(input("Masukkan banyaknya suku :"))
17  rasio =int(input("Masukkan Rasio :"))
18
19  for i in range (rasio) :
20      print(f"Suku ke {i+1} : {n}")
21      n*=rasio
```

```
25  #nomor 3
26  x=int(input("Input berapa bilangan ="))
27  ni=[]
28  jmlh=0
29
30  for i in range(n) :
31      junk=int(input(f"Masukkan Nilai Ke {i+1}: "))
32      ni.append(junk)
33      jmlh +=ni[i]
34
35  print("Total Nilai : " +str(jmlh))
36  rata=jmlh/n
37  print("Rata-rata : "+str(rata))
```

```
39  #nomor 4
40  x=int(input("Masukkan Nilai : "))
41  y=int(input("Masukkan Nilai pangkat :"))
42  jumlah=1
43  for i in range (y):
44      jumlah=jumlah*x
45
46  print(f"{x}^{y} = {jumlah}")
```

```

49  #nomor 5
50  nilai = int(input('Masukkan Nilai N: '))
51  faktorial = 1
52
53  for i in range(1, nilai + 1):
54      faktorial *= i
55
56  print(f'{nilai}! = {faktorial}')

```

```

58  #nomor 6
59  import random
60
61  acak = random.randint(0, 10)
62
63  print('=' * 40)
64  print('Kami telah memiliki angka, silakan tebak!')
65  print('=' * 40)
66
67  batas = 5
68  for percobaan in range(batas):
69      jawaban = int(input(f'\n[Percobaan {percobaan + 1}] Masukkan angka: '))
70
71      if jawaban == acak:
72          print('Selamat, tebakanmu benar!')
73          break
74      else:
75          print(
76              'Tebakanmu terlalu',
77              'kecil' if jawaban < acak else 'besar'
78          )
79      else:
80          print(f'\nSayang sekali, kamu sudah salah menebak sebanyak {acak}x!')
81

```

```

82  #nomor 7
83  jmlh=0
84  print("Deret =" , end=' ' , flush=True)
85  for i in range(y) :
86      x=x+1
87      jmlh += x
88      print(x, " " , end=" " , flush=True)
89      if x == y-1:
90          break
91  print()
92  print("Jumlah =" , jmlh)
93

```

```

94     #Nomor 8
95
96     #8.A
97     nomor = 1
98     berhenti = 5
99     kolom = 3
100
101     for i in range(kolom):
102         for column in range(0, berhenti):
103             print(nomor, end=' ')
104             nomor = nomor + 1
105             print("")
106             kolom += 0
107
108     #8.B
109     n=5
110     x=n
111     for i in range(n):
112         print(n)
113         for j in range(n):
114             print(x," ", end=" ", flush=True)
115             x=x-1
116             if j == 1:
117                 x=n
118                 print()
119                 for q in range(n):
120                     x=n
121                     print()
122                     for w in range(n):
123                         print(x," ", end=" ", flush=True)
124                         x= x-1
125                         if w == 3:
126                             x=n
127                             print()
128                             break
129                     break
130             break

```

```

132 #8.C
133 x=5
134 x=n
135
136 for i in range(n, 0,-1):
137     for j in range(1, i=1):
138         print(j,end=" ")
139 #8.D
140 n=4
141 j=3
142 p=n*2
143 a=1
144 for i in range(n):
145     print(a,"\t",end=" ",flush=True)
146     a=a+1
147     if i == n-1 :
148         print()
149         for i in range(n):
150             print(a,"\t", end=" " , flush=True)
151             a=a+1
152             if i == n-1:
153                 print()
154                 for i in range (n):
155                     print(a,"\t",end=" ",flush=True)
156                     a=a+1
157
158 #8.E
159 jmlh_angka=1
160 for i in range(1,5):
161
162     for j in range(3):
163         print(jmlh_angka,end=" ")
164         jmlh_angka=i
165         jmlh_angka=jmlh_angka+1

```