



1

`x = 1`

2

`while(x<=20):`

3

 `print(x)`

4

 `x+=1`

5

PROBLEMS

OUTPUT

DEB

PS C:\Users\focan\LGDPx

`n3.11.exe "c:/Users/foc`

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

```
1  a1 = int(input("a1: "))
2  an = int(input("an: "))
3  Y = 0
4  print("sn =", ((an + a1) * (an // a1) + 1) // 2)
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

 Py

```
PS C:\Users\focan\Downloads\LGDP> & C:/Users/focan/AppData/Local/Programs/Python/Python311/python3.11.exe "c:/Users/focan/Downloads/LGDP/Lista3 - /Exercicio2.py"
```

```
a1: 1
```

```
an: 100
```

```
sn = 5050
```

```
PS C:\Users\focan\Downloads\LGDP>
```

Lista3 - py / Exercicios 3a1 / Exercicios3.py

```
1 Y = int(input("Digite um numero para saber sua tabuada: "))
2 for X in range(1,11,1):
3     print(f"{X} X {Y} = ", X*Y)
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

Python + v

```
PS C:\Users\focan\Downloads\LGDP> & C:/Users/focan/AppData/Local/Microsoft
wsApps/python3.11.exe "c:/Users/focan/Downloads/LGDP/Lista3 - py/Exercici
/Exercicio3.py"
```

Digite um numero para saber sua tabuada: 12

1 X 12 = 12

2 X 12 = 24

3 X 12 = 36

4 X 12 = 48

5 X 12 = 60

6 X 12 = 72

7 X 12 = 84

8 X 12 = 96

9 X 12 = 108

10 X 12 = 120

```
1 n = int(input("Digite um numero: "))
2 if n <= 50:
3     i = 1
4     while True:
5         n = n * 3 ** i
6         i = i + 1
7         if (n >= 250):
8             break;
9     print (n)
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PO

```
PS C:\Users\focan\Downloads\LGDP> & C:/Users/focan/Downloads/LGDP/Lis
python3.11.exe "c:/Users/focan/Downloads/LGDP/Lis
```

```
Digite um numero: 3
```

```
9
```

```
81
```

```
PS C:\Users\focan\Downloads\LGDP>
```

```
1 x = 0
2 for i in range(1,200,1):
3     if i % 4 == 0:
4         print(i)
5         x+=1
6 print(f"{x} numeros")
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

40  
44  
48  
52  
56  
60  
64  
68  
72  
76  
80  
84  
88  
92  
96  
100  
104  
108  
112  
116  
120  
124  
128  
132  
136  
140  
144  
148  
152  
156  
160  
164  
168  
172  
176  
180  
184  
188  
192  
196  
49 numeros

```
1  ✓ for i in range(15,201,1):  
2      t = i ** 2  
3      print(f"{i} ** 2 = ",t)
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

/Exercicio6.py"

15 \*\* 2 = 225

16 \*\* 2 = 256

17 \*\* 2 = 289

18 \*\* 2 = 324

19 \*\* 2 = 361

20 \*\* 2 = 400

21 \*\* 2 = 441

22 \*\* 2 = 484

23 \*\* 2 = 529

24 \*\* 2 = 576

25 \*\* 2 = 625

26 \*\* 2 = 676

27 \*\* 2 = 729

28 \*\* 2 = 784

29 \*\* 2 = 841

30 \*\* 2 = 900

31 \*\* 2 = 961

32 \*\* 2 = 1024

```
1  for i in range(0,16,1):
2      t = 3 ** i
3      print(f"3 elevado a {i} = ",t)
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

/Exercicio7.py"

3 elevado a 0 = 1

3 elevado a 1 = 3

3 elevado a 2 = 9

3 elevado a 3 = 27

3 elevado a 4 = 81

3 elevado a 5 = 243

3 elevado a 6 = 729

3 elevado a 7 = 2187

3 elevado a 8 = 6561

3 elevado a 9 = 19683

3 elevado a 10 = 59049

3 elevado a 11 = 177147

3 elevado a 12 = 531441

3 elevado a 13 = 1594323

3 elevado a 14 = 4782969

3 elevado a 15 = 14348907

D:\C:\Users\fgcar\Downloads\LCDP> ? C:\Users\fgcar\Downloads\LCDP> ?

```
1 na = -1
2 n = 1
3 for i in range(0,16,1):
4     x=n+na
5     na=n
6     n=x
7     if n:
8         print(n)
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

```
wsApps/python3.11.exe "c:/Users/f
/Exercicio8.py"
```

```
1
1
2
3
5
8
13
21
8
13
21
8
13
13
21
21
34
55
89
144
233
377
610
```



Lista3 - py > Exercicios-Sala > Exercicio9.py > B

```
1 B = int(input("Digite sua base: "))
2 EI = int(input("Digite o valor inicial do seu expoente: "))
3 EF = int(input("Digite o valor final do seu expoente: "))
4 for x in range(EI, EF+1, 1):
5     t = B ** x
6     print(f"{B} elevado a {x} = ",t)
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

Python + v [

ython3.11.exe "c:/Users/focan/Downloads/LGDP/Lista3 - py/Exercicios-Sala/

Digite sua base: 5

Digite o valor inicial do seu expoente: 2

Digite o valor final do seu expoente: 10

5 elevado a 2 = 25

5 elevado a 3 = 125

5 elevado a 4 = 625

5 elevado a 5 = 3125

5 elevado a 6 = 15625

5 elevado a 7 = 78125

5 elevado a 8 = 390625

5 elevado a 9 = 1953125

5 elevado a 10 = 9765625

```
1 x = 0
2 for i in range(1,501,1):
3     if i % 2 == 0:
4         x += i
5 print(x)
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

/Exercicio10.py"

62750

```
1 x=list(map(int,input().split()))
2 print(max(x),min(x))
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

```
wsApps/python3.11.exe "c:/Users/focan/Downl
io11.py"
```

```
1 5 3 2 10
```

```
10 1
```