

21d070068-20aug

August 20, 2024

PS643

20th August

21D070068

```
[4]: a=[1,2,3,4,5,6,7,8,9,10]
      a[1]
```

```
[4]: 2
```

```
[5]: a
```

```
[5]: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

```
[6]: b=set(a)
      b
```

```
[6]: {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}
```

```
[7]: for x in a:
      print(x)
```

```
1
2
3
4
5
6
7
8
9
10
```

```
[8]: for x in range(0,10):
      for y in range(0,10):
          print(str(x)+"X"+str(y))
      print("\n")
```

0X0
0X1
0X2
0X3
0X4
0X5
0X6
0X7
0X8
0X9

1X0
1X1
1X2
1X3
1X4
1X5
1X6
1X7
1X8
1X9

2X0
2X1
2X2
2X3
2X4
2X5
2X6
2X7
2X8
2X9

3X0
3X1
3X2
3X3
3X4
3X5
3X6
3X7
3X8
3X9

4X0
4X1
4X2
4X3
4X4
4X5
4X6
4X7
4X8
4X9

5X0
5X1
5X2
5X3
5X4
5X5
5X6
5X7
5X8
5X9

6X0
6X1
6X2
6X3
6X4
6X5
6X6
6X7
6X8
6X9

7X0
7X1
7X2
7X3
7X4
7X5
7X6
7X7
7X8
7X9

8X0
8X1
8X2
8X3
8X4
8X5
8X6
8X7
8X8
8X9

9X0
9X1
9X2
9X3
9X4
9X5
9X6
9X7
9X8
9X9

```
[9]: x=10
      for i in range(0,100):
          if i%x !=0:
              continue
          else:
              print(i)
```

0
10
20
30
40
50
60
70
80
90

```
[10]: x = 50
      while True:
          print(x)
          x-=1
```

```
if x<20:  
    break
```

50
49
48
47
46
45
44
43
42
41
40
39
38
37
36
35
34
33
32
31
30
29
28
27
26
25
24
23
22
21
20

```
[11]: a=[1,2,3,4,5]  
      len(a)
```

[11]: 5

```
[12]: def func(x,y,z):  
      return x+y+z
```

```
[13]: print(func("ab","cd","ef"))
```

abcdef

```
[17]: x=1  
      y=1
```

```
[25]: def fib1(x,y):  
      if x<10000:  
          print(x+y)  
          fib1(y,x+y)  
      fib1(1,1)
```

```
2  
3  
5  
8  
13  
21  
34  
55  
89  
144  
233  
377  
610  
987  
1597  
2584  
4181  
6765  
10946  
17711
```

```
[26]: def fib(x,y):  
      if x<10000:  
          print(x)  
          print(y)  
          fib1(x,y)  
      fib(1,1)
```

```
1  
1  
2  
3  
5  
8  
13  
21  
34  
55  
89
```

144
233
377
610
987
1597
2584
4181
6765
10946
17711

```
[27]: import numpy  
import scipy  
import nltk
```

<https://www.nltk.org/book/>

```
[ ]:
```