

lesson-5

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```
# For loop exercise  
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codewithgaddisa Youtube channel
```

```
[8]: i=4  
     while i>=1:  
         print(i)  
         i=i-1
```

```
4  
3  
2  
1
```

```
[7]: for i in range(10,1,-1):  
     print(i)
```

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

```
[10]: for i in range(1,11):  
      print(i, ", codewithgaddisa")
```

```
1 , codewithgaddisa  
2 , codewithgaddisa  
3 , codewithgaddisa  
4 , codewithgaddisa  
5 , codewithgaddisa  
6 , codewithgaddisa  
7 , codewithgaddisa  
8 , codewithgaddisa  
9 , codewithgaddisa
```

10 , codewithgaddisa

```
[11]: for i in range(10):  
       print(i)
```

0
1
2
3
4
5
6
7
8
9

```
[12]: student_names=["Abebe", "Kebede", "Abera", "Aliyi"]  
  
       for name in student_names:  
           print(name)
```

Abebe
Kebede
Abera
Aliyi

```
[13]: student_names=["Abebe", "Kebede", "Abera", "Aliyi"]  
  
       for i in range(len(student_names)):  
           print(student_names[i])
```

Abebe
Kebede
Abera
Aliyi

```
[14]: x=[1,2,3,4]  
       for i in x:  
           print(i)
```

1
2
3
4

```
[15]: for i in range(-5,6):  
       print(i)
```

-5
-4
-3
-2
-1
0
1
2
3
4
5

```
[16]: for i in range(1,11):  
        square=i*i  
        print(square)
```

1
4
9
16
25
36
49
64
81
100

```
[18]: x=[1,3,4,-4,5,6]  
  
for data in x:  
    if data<0:  
        break  
    print(data)  
print("loop terminated")
```

1
3
4
loop terminated

```
[20]: x=[1,3,4,-4,5,-8,6]  
  
for data in x:  
    if data<0:  
        continue  
    print(data)
```

1

3
4
5
6

```
[21]: for i in range (0,11,2):  
       print(i)
```

0
2
4
6
8
10

```
[25]: fact=1  
n=int(input("enter the number"))  
for i in range(n,1,-1):  
    fact=fact*i  
  
print(n,"!=",fact)
```

enter the number6
6 != 720

```
[26]: number_list=[]  
  
while True:  
    n=float(input("Enter the number"))  
    if n<0:  
        break  
    number_list.append(n)  
  
print("List of numbers that you entered")  
for number in number_list:  
    print(number)
```

Enter the number1
Enter the number2
Enter the number3
Enter the number4
Enter the number666
Enter the number121
Enter the number67676
Enter the number1000
Enter the number-1
List of numbers that you entered
1.0

2.0
3.0
4.0
666.0
121.0
67676.0
1000.0

```
[28]: number_list=[]

while True:
    n=int(input("Enter the number"))
    if n<0:
        break
    number_list.append(n)

print("List of numbers that you entered")
for number in number_list:
    print(number)
```

Enter the number1
Enter the number3
Enter the number6
Enter the number-2
List of numbers that you entered
1
3
6

```
[36]: #table of multiplication

for i in range(1,5):
    for j in range (1,i):
        print(j,end=" ")
    print()
```

1
12
123