

## Q1: using for loop and range()

1) Print 0-10 2) Print hello world 5 times 3) Print 2-20 4) Print 5-55 in steps of 10

```
for i in range(0,11):  
    print(i)
```

0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10

```
for i in range(5):  
    print("Helloworld")
```

Helloworld  
Helloworld  
Helloworld  
Helloworld  
Helloworld

```
for i in range(2,21):  
    print(i)
```

2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18

```
19
20

for i in range(5,56,10):
    print(i)

5
15
25
35
45
55
```

### Que.2 Create one list and iterate over the list using for,len and range

```
lst = [12,15,13,14,36]
len(lst)
for i in range(len(lst)):
    print(lst[i])

12
15
13
14
36
```

### Que.3 Create a list fruits store apple,banana,grapes,oranges using for loop iterate and when it reaches to a banana if should print banana is available

```
fruits = ["apple","banana","grapes","oranges"]
len(fruits)
for i in range(len(fruits)):
    if fruits[i] == "banana":
        print("Banana is available")
        continue
    else:
        print("Banana is not available")
```

```
Banana is not available
Banana is available
Banana is not available
Banana is not available
```

```
fruits = ["apple","banana","grapes","oranges"]
len(fruits)
for i in range(len(fruits)):
    if fruits[i] == "banana":
        print("Banana is available")
```

```
        break
    else:
        print("Banana is not available")
```

Banana is not available  
Banana is available

**Que.4 Convert the below english statement into code : values should be accepted from user If you got more than 60% marks overall I will give you salute five times(means we should print salute five times)else I will punish you five times(means we should print punishment five times)**

```
a = int(input("Enter the maths marks : "))
for a in range(5):
    if a>60:
        print("Salute")
    else:
        print("Punishment")
```

Enter the maths marks : 56  
Punishment  
Punishment  
Punishment  
Punishment  
Punishment

**Que.6 Using for loop and range function print 0 – 100 but break the loop if it reaches 12**

```
for i in range(1,100):
    if i == 12:
        break
    print(i)
```

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11

### Que.7 Using for loop and range function print 0 – 10 but it shouldn't print 7

```
for i in range(0,10):  
    if i == 7:  
        continue  
    print(i)
```

```
0  
1  
2  
3  
4  
5  
6  
8  
9
```

### Que 8 Create a list of names and iterate over them and print the index and item present at that particular index

```
names = ["Saurabh","Rohit","Pratik","Shubham","Tushar","Kapil"]  
len(names)  
for i in range(len(names)):  
    str1 = names[i]  
    print(i,str1)
```

```
0 Saurabh  
1 Rohit  
2 Pratik  
3 Shubham  
4 Tushar  
5 Kapil
```

### Que.9 From a range of numbers iterate over that range print which one is even and which one is odd

```
lst2 =  
['1','2','3','4','5','6','7','8','9','10',"11","12","14","18","17"]
```

```
for i in lst2:  
    if int(i)%2 == 0:  
        print(f'{i} is even')  
    else:  
        print(f'{i} is odd')
```

```
1 is odd  
2 is even
```

3 is odd  
4 is even  
5 is odd  
6 is even  
7 is odd  
8 is even  
9 is odd  
10 is even  
11 is odd  
12 is even  
14 is even  
18 is even