

#Q1: using for loop and range()
#1) Print 0-10

```
for x in range(11):  
    print(x)
```

0
1
2
3
4
5
6
7
8
9
10

#Q1: using for loop and range()
#2) Print hello world 5 times

```
for x in range(6):  
    print("hello world")
```

hello world
hello world
hello world
hello world
hello world
hello world

#Q1: using for loop and range()
#3) Print 2-20

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

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

```
17
18
19
20
```

#Q1: using for loop and range()

#4) Print 5-55 in steps of 10

```
for x in range(5,55,10):
    print(x)
```

```
5
15
25
35
45
```

#Q2:Create one list and iterate over the list using for,len and range

```
List=[25,15,55,5]
print("By For loop: ")
for x in List:
    print(x)
```

```
length = len(List)
# Iterating the index
# same as 'for x in range(len(List))'
print("By Length: ")
for x in range(length):
    print(List[x])
```

By For loop:

```
25
15
55
5
```

By Length:

```
25
15
55
5
```

#Q3: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"]
```

```
for x in range(length):
    if Fruits[x] == 'banana':
        print("banana is available ")
```

banana is available

#Q4: 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)

```
score=int(input("the score is: "))
if score>60:
    for x in range(5):
        print("i salute you")
else :
    for x in range(5):
        print("i punish you")
```

```
the score is: 61
i salute you
i salute you
i salute you
i salute you
i salute you
```

#Q5: Convert the below english statement into code : values should be accepted from user If you got more than 80% marks in maths, and more than or equal to 70% marks in science and more than or equal to 90% marks in English then I will salute you as many times you want(means program should print whatever time user will say)

[NOTE: MAKE SURE THERE SHOULD BE ONE else Statement with each if statement with proper indentation]

```
maths=int(input("your maths score: "))
science=int(input("your science score: "))
english=int(input("your english score: "))
if maths>80:
    if science>=70:
        if english>=90:
            y=int(input("how many time should i salute you: "))
            for x in range (y):
                print("i salute you")
else:
    print("i can't salute you")
```

```
your maths score: 81
your science score: 71
your english score: 90
how many time should i salute you: 3
i salute you
i salute you
i salute you
```

#Q6: Using for loop and range function print 0 – 100 but break the loop if it reaches 12

```
for x in range(0,100):  
    if x==12:  
        break  
    print (x)
```

```
0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11
```

#Q7: Using for loop and range function print 0 – 10 but it shouldn't print 7

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

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

#Q8: Create a list of names and iterate over them and print the index and item present at that particular index

```
List = ["maruti","kia","ford","tesla"]
```

```
for x in range(len(List)):  
    value = List[x]  
    print (x,value)
```

```
0 maruti  
1 kia  
2 ford  
3 tesla
```

#Q9: From a range of numbers iterate over that range print which one is even and which one is odd

```
for x in range(55,63):  
    count = x % 2
```

```
if count == 0:  
    print ("%d is even"%x)  
else:  
    print ("%d is odd"%x)
```

```
55 is odd  
56 is even  
57 is odd  
58 is even  
59 is odd  
60 is even  
61 is odd  
62 is even
```