Assignment - 10 for loop and range

1. Write a python script to print the first 10 multiples of 5.

```
print("multiple of 5")
for x in range(1,11):
    print(5*x)
```

2. Write a python script to print first 10 multiples of N

```
n=int(input("enter the number  "))
for x in range(10):
    print(n*(x+1))
```

3. Write a python script to print first M multiples of N.

```
n=int(input("enter the number  "))
m=int(input("how many multipele you want  "))
for x in range(m):
    print(n*(x+1))
```

4. Write a python script to print the first 10 multiples of N in reverse order.

```
n=int(input("enter the number  "))
for x in range(10,0,-1):
    print(n*x)
```

5. Write a python script to print table of user's choice

```
#table of user's choice
n=int(input("enter the number  "))
for x in range(10):
    print(n*(x+1))
```

6. Write a python script to print first N even natural numbers.

```
print("first N even natural number\n")
n=int(input("enter the N  "))
for x in range(n):
    print(2*(x+1))
```

7. Write a python script to print first N odd natural numbers

```
print("first N odd natural number\n")
n=int(input("enter the N  "))
for x in range(n):
    print((2*(x+1))-1)
```

8. Write a python script to print squares of first N natural numbers.

```
print("square of first N natural number\n")
n=int(input("enter the N  "))
for x in range(n):
    print(((x+1)**2))
```

9. Write a python script to print cubes of first N natural numbers.

```
print("cube of first N natural number\n")
n=int(input("enter the N  "))
for x in range(n):
    print(((x+1)**3))
```

10. Write a python script to display all prime numbers within a range.

```
# range
start = 15
end = 45
```

```
start=15
end=45
for x in range(start,end):
    count=0
    for j in range(1,x+1):
        if x%j==0:
            count=count+1
    if count==2:
        print(x)
```