1.Use If Else and Elif to write a program in python for your Report cards

```
marks=99
```

```
marks
```

```
99
```

```
if marks >=90 :
    print ("A+")
elif marks >= 80 and marks <90 :
    print ("A")
elif marks >=70 and marks <80 :
    print ("B+")
elif marks >=60 and marks <70 :
    print ("B")
elif marks >=50 and marks <60 :
    print ("C+")
elif marks >=35 and marks <50 :
    print ("C")
else:
    print(" Failed ")
```

A+

2.Use for loop to print prime numbers in between 1 to 1000

```
primes =[2]
for p in range(1,1000):
    if p>2:
        isprime = True
        for q in range(2,p):
            if((p%q)==0):
                isprime = False
                break
        if isprime == True:
            primes.append(p)
print("primes number between 1 and 1000 are displayed below ==>")
print(primes)
```

```
primes number between 1 and 1000 are displayed below ==>
[2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79,
```

3.Write a program for printing the tables from 1,10 using Nested For Loop

```
for p in range(1,11):
    for q in range (1,11):
        print(p*q,end=" ")
        print(" ")
```

```
 1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 2
 4
 6
 8
 10
 12
 14
 16
 18
 20
 3
 6
 9
 12
 15
 18
 21
 24
 27
 30
 4
 8
 12
 16
 20
 24
 28
 32
 36
 40
 5
 10
 15
 20
 25
 30
 35
```

```
40
45
50
6
12
18
24
30
36
42
48
54
```

4 Write a program to Print X Prime Numbers using While Loop starting from 0, and take the INput of X from the user

```
primes = []
candidates = list(range(2,20))
while len(candidates)>0:
    prime=candidates[0]
    primes.append(prime)
    candidates=candidates[1:]
    for x in candidates[:]:
        if (x%prime) == 0:
            candidates.remove(x)
print(primes)
```

```
 [2, 3, 5, 7, 11, 13, 17, 19]
```