Assignment 3

1. Use IF, ELSE and ELIF to write a program in python for your Report Card

```
In [3]:  marks = 100
         if marks >= 90:
             print("Grade => A")
         elif marks >= 60 and marks <90:
             print("Grade => B")
         elif marks >= 40 and marks <60:
             print("Grade => C")
         else:
             print("Failed")
```

Grade => A

2.Use For Loop to Print Prime Numbers in between 1 to 1000

In [4]:
```python
lower = 1
upper = 1000

print("Prime numbers between", lower, "and", upper, "are:")

for num in range(lower, upper + 1):
    if num > 1:
        for i in range(2, num):
            if (num % i) == 0:
                break
        else:
            print(num)
```

```
Prime numbers between 1 and 1000 are:
2
3
5
7
11
13
17
19
23
29
31
37
41
43
47
53
59
61
```

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

In [7]:
```python
for i in range(1,11):
    print("\n\n Table of %d\n" %(i))
    for j in range(1,11):
        print("%d x %d = %d" % (i, j, i*j))
```

```
 Table of 1

1 x 1 = 1
1 x 2 = 2
1 x 3 = 3
1 x 4 = 4
1 x 5 = 5
1 x 6 = 6
1 x 7 = 7
1 x 8 = 8
1 x 9 = 9
1 x 10 = 10


 Table of 2

2 x 1 = 2
```

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

In [8]:
```python
lower = int(input("Enter lower value"))
upper = int(input("Enter upper value"))

for number in range (lower,upper + 1):
    count = 0
    for i in range(2, (number//2 + 1)):
        if (number % i == 0):
            count = count + 1
            break

    if(count == 0 and number != 1):
        print(" %d" %number, end = " ")
```

```
Enter lower value0
Enter upper value100
 0  2  3  5  7  11  13  17  19  23  29  31  37  41  43  47  53  59  61  67  71
73  79  83  89  97
```

In [ ]: