

USE CASE 1:

Develop **Student Progress Report App**.  
Accept **rollno, name, 6 subject marks** from console.  
**Calculate total marks, average and grade**.  
Check whether each subject marks is  $\geq 40$  or not.  
Calculate grade based on the following criteria.

Average	Grade
-----	-----
80-100	A
60-79	B
50-59	C
40-49	D
< 40	Promoted

Display Roll no, Name, Total marks, Average and Grade.

USE CASE 2:

Develop a menu based Calculator with 2 numbers.  
And perform the operations like **ADD, SUB, MUL, and DIV**.

```
MY CALCULATOR
=====
1. ADD
2. SUB
3. MUL
4. DIV
0. Exit
```

PLEASE CHOOSE OPERATION:

USE CASE 3:

Develop **Discount Calculator App** to accept **Purchases amount** and  
Calculate **Discount** based on the following criteria

Purchases	Discount
-----	-----
100 - 1000	0%
1001-2000	10%
2001-3000	20%
3001 - rest	25%

Print **Purchases amount, Discount and Total\_bill**.

USE CASE 4:

Develop **Power Consumption Calc app** that accept **no. of units of power consumption** and Calculate the amount based on the criteria.

Units	Rate Per Unit (\$)
-----	-----
1 - 50	3
51-100	6
101-150	9
151-200	12
201-rest	15

Print **Units and Bill Amount**

USE CASE 5:

Develop a Login app with Username and Password. (Hardcode username and password)  
After 3 invalid attempts, the application must be terminated.