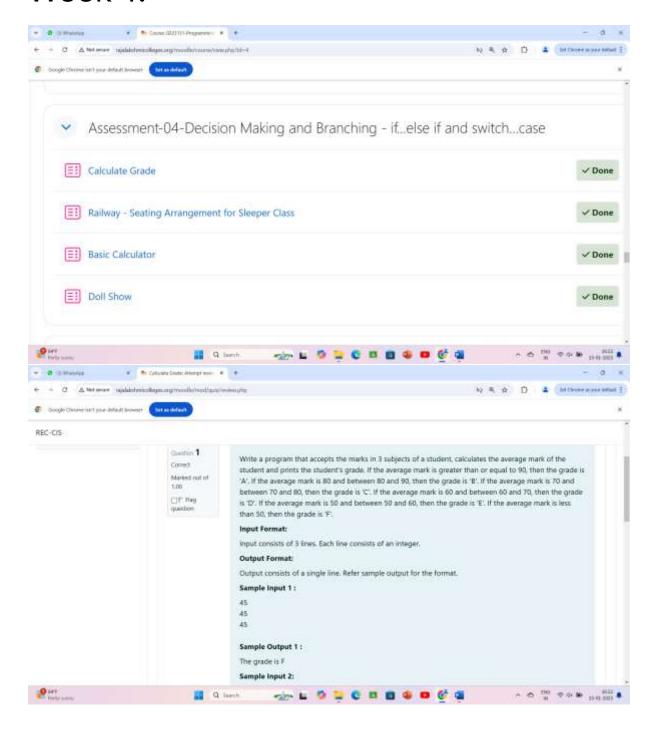
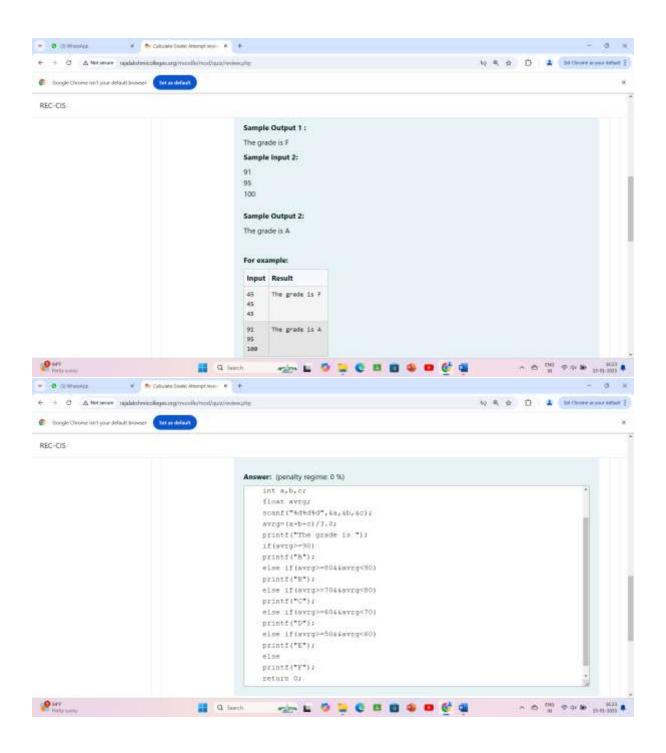
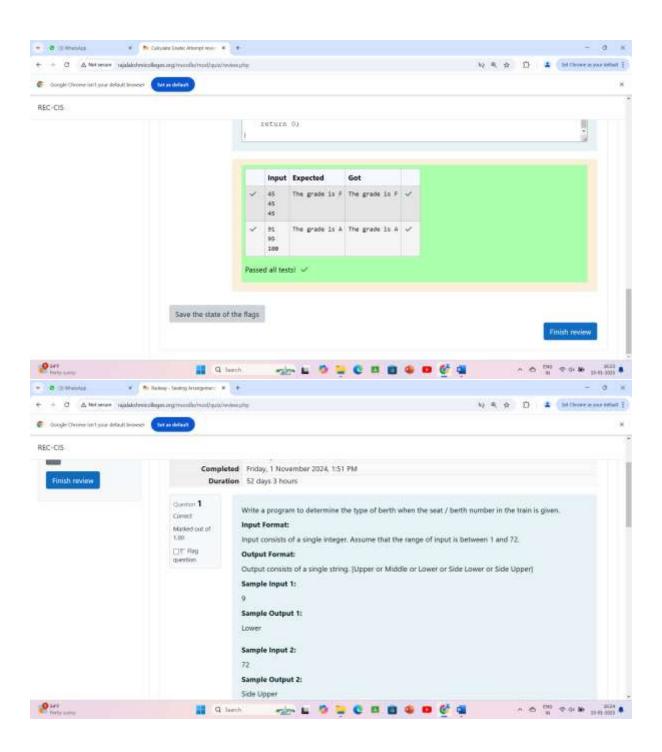
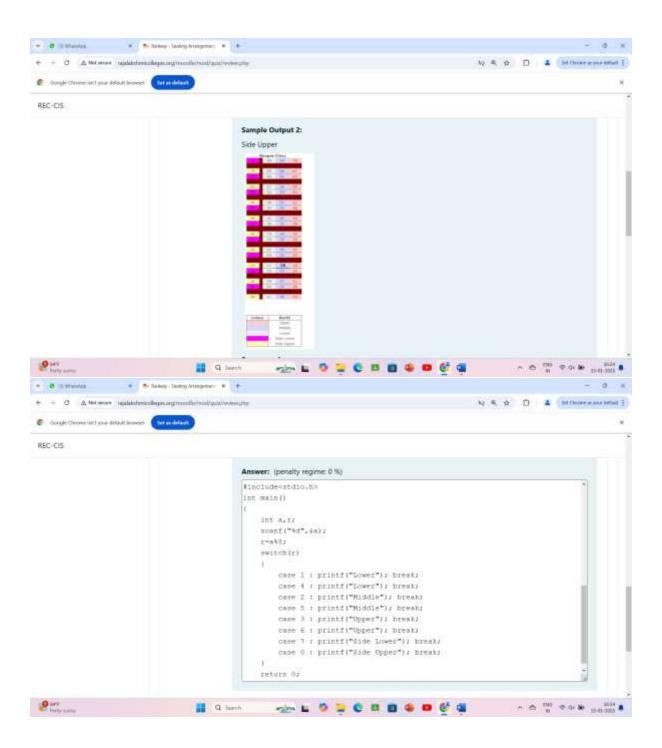
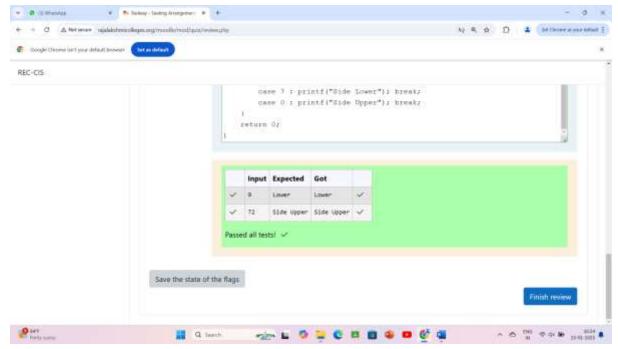
# Week 4:











Write a C program to simulate a basic <u>calculator</u>. [+,-,\*,/,%]. Use switch statement.

## Input Format:

The first line of the input consists of an integer which corresponds to a. The second line of the input consists of a character which corresponds to the operator. The third line of the input consists of an integer which corresponds to b.

## Output format:

Output consists of a single line [a op b]. Refer to sample output for details.

## Sample Input 1:

3

+

5

## Sample Output 1:

The sum is 8

Sample Input 2:

7

\_

6

#### Sample Output 2:

The difference is 1

Sample Input 3:

4

.1.

Sample Output 3:

The product is 12

Sample Input 4:

12

/

3

Sample Output 4:

The quotient is 4

Sample Input 5:

4

%

2

Sample Output 5:

The remainder is 0

Sample Input 6:

5

٨

2

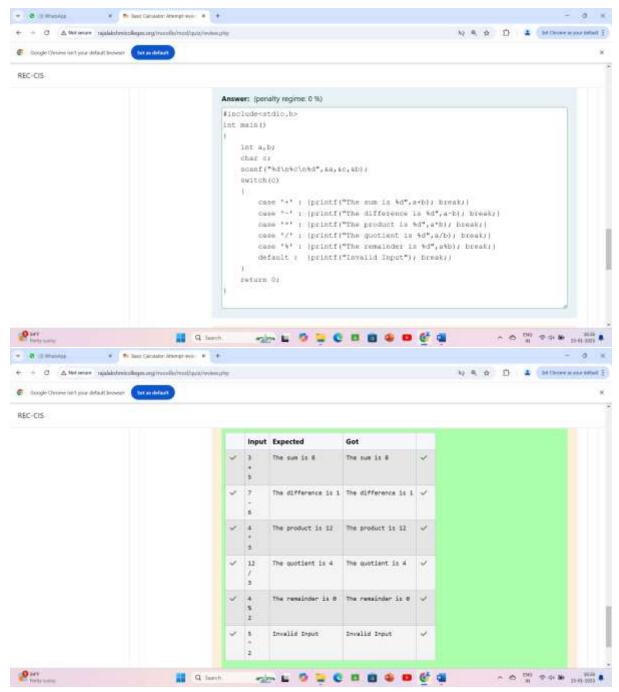
Sample Output 6:

Invalid Input

# For example:

Input	Result
3 + 5	The sum is 8
7 - 6	The difference is 1
4 *	The product is 12

Input	Result
3	
12 / 3	The quotient is 4
4 % 2	The remainder is 0
5 ^ 2	Invalid Input



In london, every year during dasara there will be a very grand doll show. People try to invent new new dolls of different varieties. The best sold doll's creator will be awarded with cash prize. So people broke their head to create dolls innovatively. Knowing this competition, Mr.Lokpaul tried to create a doll which sings only when a even number is pressed and the number should be not be zero and greater than 100.

So write a program to help Mr.Lokpaul to win.

#### **Input Format:**

Input Consists of Single Integer which Corresponds to Number pressed by the user to the doll.

# **Output Format:**

Display whether the doll will Sing or not. Output consists of the string "Doll will sing" or "Invalid number".

# **Sample Input and Output:**

Input

Press a number: 56

Output

Doll will sing

