1. && and ||

condition1	condition2	condition1 && condition2	condition1 || condition2
FALSE	FALSE	FALSE	FALSE
TRUE	TRUE	TRUE	TRUE
TRUE	FALSE	FALSE	TRUE
FALSE	TRUE	FALSE	TRUE

2. Xor ^

condition1	condition2	condiation1 ^ condition2
FALSE	FALSE	FALSE
TRUE	TRUE	FALSE
TRUE	FALSE	TRUE
FALSE	TRUE	TRUE

3. **Assignment 1**
    a. Write an expression that checks if given integer is odd or even.
    b. Write a boolean expression that checks for given integer if it can be divided (without remainder) by 7 and 5 in the same time.
    c. Write an expression that calculates rectangle's area by given width and height.
    d. Write an expression that checks for given integer if its third digit (right-to-left) is 7. E. g. 1732 à true.
    e. Write a boolean expression for finding if the bit 3 (counting from 0) of a given integer is 1 or 0.
    f. Write an expression that checks if given point (x, y) is within a circle K(O, 5).
    g. Write a program that exchanges bits 3, 4 and 5 with bits 24,25 and 26 of given 32-bit unsigned integer.
4. **Assignment 2**
    a. **Create an Exam Marks program**
        i. Create an array of Student (RollNo, Name, TotalMarks, Percentage) (Create Student class and decide which datatype to use for the 3 fields)
        ii. Display on Screen "How many students are there in class?" and accept the input
        iii. Allocate memory for these student
        iv. Loop through Student array and ask user to Enter RollNo, Name, etc. (Note: Do not ask to enter Percentage)
        v. Create a new function void CalculatePercentage(Student students, int size)
        vi. Call this function from Main
        vii. In the CalculatePercentage function, calculate the Percentage of each student
        viii. After Percentage is calculated sort the student array, with highest Percentage first
        ix. Display a nice report for the final Student List along with Percentage

RollNo	Name	Marks	Percentage
1001	Mickey	545	85%
1001	Donald	545	55%
.. and so on			

b.