CONDITIONAL STATEMENTS

NOTE:

- **No need to submit anywhere, just keep track of all the solutions you made in a specific folder.**
- **Compare your solution with the solution I'll provide, in case of doubts, kindly reach out to me.**

Q1. Write a program that takes two numbers as input and checks if the first number is divisible by the second.

Q2. A student will not be allowed to sit in exam if his/her attendance is less than 75%.

Take following input from user

- Number of classes held
- Number of classes attended.

1. Print percentage of class attended
2. Print Is student is allowed to sit in exam or not.

Q3. Write a program to check if number is divisible by 2 and 3 but not 8.

Q4. Write a Python program that takes a student's score as input and prints the corresponding grade. Use the following grading scale:

A: 90-100

B: 80-89

C: 70-79

D: 60-69

F: Below 60

Q5. Write a program to calculate bill. Ask the final amount from the user.

You have to give discount and print the final bill after discount.

50000 above - 30% discount

40000 - 49999 - 25% discount

30000 - 39999 - 20% discount

10000 - 29999 - 10% discount

1 - 9999 - No discount

Print the discount and the final amount to be paid.

Example 1

Enter bill amount = 80000

You got 30% discount

Your final bill is Rs. 56000

Q6. Ask 4 numbers from user. Make sure all the numbers entered by user are different. Print which number is the smallest.

Q7. Take Salary as input from User and Update the salary of an employee.

- salary less than 10,000, 5 % increment
- salary between 10,000 and 20, 000, 10 % increment
- salary between 20,000 and 50,000, 15 % increment
- salary more than 50,000, 20 % increment

Q8. An extra day is added to the calendar almost every four years as February 29, and the day is called a leap day. A leap year contains a leap day.

These are the conditions used to identify leap years:

- if the year can be evenly divided by 4, it is then a leap year

- but if the year is evenly divided by 4 and also by 100, then it is NOT a leap year
- but if the year is evenly divided by 4 and also by 400, then it is a leap year

This means the years 2000 and 2400 are leap years, while 1800, 1900, 2100, 2200, 2300 and 2500 are NOT leap years.

Ask a year input from user. And tell if the year entered by user is leap or not.