Assignment 2

1. Accept two numbers from user and an operator **(+,-,/,*,%)** based on that perform the desired operations.

2. Accept three sides of a triangle from the user and determine whether the triangle is equilateral, isosceles, or scalene.

3. Write a program to find greatest of three numbers using nested if-else.

4. Ask the user to enter marks.
   Then show the result based on these rules:
   If marks are more than 75 → show **"Distinction"**
   If marks are more than 65 → show **"First Class"**
   If marks are more than 55 → show **"Second Class"**
   If marks are 40 or more → show **"Pass Class"**
   If marks are less than 40 → show **"Fail"**

5. Accept the price from user. Ask the user if he is a student (user may say y or n). If he is a student and he has purchased more than 500 than discount is 20% otherwise discount is 10%.But if he is not a student then if he has purchased more than 600 discount is 15% otherwise there is not discount.

6. Accept a number and check if it is divisible by **3**, **5**, or **both.**
   (Print "Divisible by 3 but not by 5" or "Divisible by 5 but not by 3" or "Divisible by both" or" Divisible by None")

7. Accept the **age** and check if the person is:
   Child (age < 12),**Teenager** (12–19),**Adult** (20–59),**Senior** (60 and above)