

### Practice questions:

1. Write a program to calculate the roots of a quadratic equation. Use decision making statement to check if roots are real or complex.
2. In a class there are 10 students and each student studies three subjects. Write a program to find average marks obtained by each student. Also find out the maximum and minimum average marks of the class.
3. Write a menu driven program to calculate the area of a square or a rectangle or a circle or a triangle as per the choice entered by the user. Repeat until user wants to terminate the program execution.
4. Write a program to compute the following where n is positive integer entered by the user  
$$1 - \frac{2}{1!} + \frac{3}{2!} - \frac{4}{3!} + \dots + \frac{(n+1)}{n!}$$
5. A shopkeeper maintains total number of items sold alongwith their total price for each order. Suppose n orders are placed on a day, then find out the average price per item on that day.