

## LAB -7

### Decision Control

(From 31/08/2015 to 05/09/2015)

- 1 Any integer is input through the keyboard. Write a program to find out whether it is an odd number or even number.
- 2 Any year is input through the keyboard. Write a program to determine whether the year is a leap year or not.
- 3 If the ages of Ram, Shyam and Ajay are input through the keyboard, write a program to determine the youngest of the three.
- 4 Write a program to check whether a triangle is valid or not, when the three angles of the triangle are entered through the keyboard. A triangle is valid if the sum of all the three angles is equal to 180 degrees.
- 5 Given the length and breadth of a rectangle, write a program to find whether the area of the rectangle is greater than its perimeter. For example, the area of the rectangle with length = 5 and breadth = 4 is greater than its perimeter.
- 6 Given three points (x1, y1), (x2, y2) and (x3, y3), write a program to check if all the three points fall on one straight line.
- 7 Write a program to find the greatest of the three numbers entered through the keyboard using conditional operators.
- 8 Any character is entered through the keyboard; write a program to determine whether the character entered is a capital letter, a small case letter, a digit or a special symbol.
- 9 A library charges a fine for every book returned late. For first 5 days the fine is 50 paise, for 6-10 days fine is one rupee and above 10 days fine is 5 rupees. If you return the book after 30 days your membership will be cancelled. Write a program to accept the number of days the member is late to return the book and display the fine or the appropriate message.