

JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY, GUNA
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Computer Programming Lab (14B17CI171)
B.Tech. (CSE/ECE/MECH/CE/CHE) Semester-I

Lab Practice 8

- Q1 Any integer is input through the keyboard. Write a program to find out whether it is an odd number or even number.
- Q2 Any year is input through the keyboard. Write a program to determine whether the year is a leap year or not.
- Q3 If the ages of Ram, Shyam and Ajay are input through the keyboard, write a program to determine the youngest of the three.
- Q4 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.
- Q5 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.
- Q6 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.
- Q7 Write a program to find the greatest of the three numbers entered through the keyboard using conditional operators.
- Q8 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.