**Instructions for Lab3**

1. Write a program to find out whether a number is even or odd.
2. Write a program to find out whether input alphabet is a vowel or not.
3. In a company, an employee is paid as per the following rules-
4. If his Basic salary is less than Rs 15000 then HRA=10% and DA=90% of Basic Salary respectively.
5. If his Basic salary is equal to or above Rs 15000 then HRA=Rs1700 and DA=98% of Basic Salary respectively.

If the employee’s salary is read through the keyboard. Write a program to find his gross salary

1. While purchasing certain items, a discount of 10% is offered if the quantity purchased is more than 1000. If Quantity and price per item are read from the user. Write a program to calculate the total expense
2. Given a point (x,y). WAP to find out if the point lies on the X axis or Y axis or on the origin.
3. Given three points (x1,y1),(x2,y2) and (x3,y3). WAP to check if all the 3 points fall on one straight line or not.
4. WAP to check whether the triangle is isosceles, equilateral or scalene.