LAB-4

Objective(s):
- To understand the programming knowledge using Decision Statements (if, if-else, ifelse if ladder, switch and GOTO)

1. Write a program to input marks of 5 subjects (Physics, Chemistry, Math, English& Biology) for a student. Display the rank of each subjects and also the result of total marks and percentage obtained with his/her rank in the class. The rank is categorized as fail (marks < 40%), pass & third division (marks between 40 to 55%), second (marks between 55 to 65%), first (marks between 65 to 80%), Distinction (marks between 80 to 95%), extra ordinary (marks above 95 to 100%).

2. Write a program to find the largest and smallest among three entered numbers and also display whether the identified largest/smallest number is even or odd.

3. Write a program to check whether input alphabet is vowel or not using if-else and switch statement.

4. Write a program to get input of two or higher digit integer number and display in reverse order.

5. Write a program that asks a number and test the number whether it is multiple of 5 or not, divisible by 7 but not by eleven.

6. Write a program to check whether the entered year is leap year or not (a year is leap if it is divisible by 4 and divisible by 100 or 400.)

7. Write a program to read the values of coefficients a, b and c of a quadratic equation $ax^2+bx+c=0$ and find roots of the equation.