**Assignment 3:**

**Decision Making and Branching**

1. Write a C program to display the largest number between two numbers using ***simple if*** statement.
2. Write a C program to display the largest between two numbers using ***if-else*** statement.
3. Write a C program to display the largest among three numbers using ***nested if-else***.
4. Write a C program to check whether a given number is even or odd and display suitable message using ***simple if*** statement.
5. Write a C program to check whether a given number is even or odd and display suitable message using ***if-else*** statement.
6. Write a C program to check whether a given number is positive or negative and display suitable message using ***simple if*** statement.
7. Write a C program to check whether a given number is positive or negative and display suitable message using ***if-else*** statement.
8. Write a C program to find and display two real roots of a quadratic equation (if real roots are not present, then display a suitable message).
9. Write a C program to check whether a triangle is valid or not if three sides are given. If triangle is free
10. Write a C program to check whether a triangle is right-angled or not if length of three sides is given.
11. Write a C program to determine whether a person is eligible to vote or not.
12. Write a C program to enter a character and then determine whether it is a vowel or not.