ASSIGNMENT -7 (BASICS OF C PROGRAMMING)

Aim: Conditional Statements

Basic instructions:

1. Check every line of your program for semicolon (;)
2. Check printf for format specifier %d for integer numbers
3. Check scanf for %d and & sign before variable name
4. Enter two numbers from the keyboard. Write a program to print the value of larger number. [Your program should output only one number which is greater among two. For example, if user enters 3 and 9, output should be: Larger number is 9]
5. Two numbers are input through the keyboard. Also, ask the user to enter a choice. Write a program to do the following:
6. Print sum of two numbers if user enters choice as 1.
7. Print difference of two numbers if user enters choice as 2.
8. Print product of two numbers if user enters choice as 3.
9. Print quotient if user enters choice as 4.
10. Print NO OPERATION if user enters choice as 0
11. Ask the user to enter a value between 1 to 100. Write a program to print SUCCESS if the user enters any number between 50 to 100. Otherwise, it should print FAIL.
12. Ask the user to enter a value. Write a program to determine if the value is less than ten or greater than ten. Print messages accordingly.
13. Write a program to check whether a number is positive or negative. For example, if the user enters 8, it should print: Positive number.
14. Write a program to check whether an integer is odd or even.
15. Write a program to check whether a given number is divisible by 5 or not.
16. Write a program to check whether roots of a given quadratic equation are real & distinct, real & equal or imaginary roots
17. Write a program which takes the cost price and selling price of a product from the user. Now calculate and print profit or loss percentage.
18. Write a program which takes the length of the sides of a triangle as an input. Display whether the triangle is valid or not.