Assignment-9: switch case control

1. Write a program which takes the month number as an input and display number of days in that month.
2. Write a menu driven program with the following options:
    a. Addition
    b. Subtraction
    c. Multiplication
    d. Division
    e. Exit
3. Write a program which takes the day number of a week and displays a unique greeting message for the day.
4. Write a menu driven program with the following options:
    a. Check whether a given set of three numbers are lengths of an isosceles triangle or not
    b. Check whether a given set of three numbers are lengths of sides of a right angled triangle or not
    c. Check whether a given set of three numbers are equilateral triangle or not
    d. Exit

5. Convert the following if-else-if construct into switch case:

    ```
    if(var == 1)
            printf("good");
    else if(var == 2)
            printf("better");
    else if(var == 3)
            printf("best");
    else
            printf("invalid");
    ```

6. Program to check whether a year is a leap year or not. Using switch statement
7. Program to take the value from the user as input electricity unit charges and calculate total electricity bill according to the given condition . Using the switch statement.

    For the first 50 units Rs. 0.50/unit
    For the next 100 units Rs. 0.75/unit
    For the next 100 units Rs. 1.20/unit
    For units above 250 Rs. 1.50/unit
    An additional surcharge of 20% is added to the bill.
8. Program to convert a positive number into a negative number and negative number into a positive number using a switch statement.
9. Program to Convert even number into its upper nearest odd number Switch Statement.
10. C program to find all roots of a quadratic equation using switch case