1. Write a C program that prints all even numbers between 1 and n (inclusive), where n is taken as input.

2. Write a C program that accepts two integers and prints true if either one is 5 or their sum or difference is 5.

3. Write a C program to check whether a given non-negative number is a multiple of 3 or 7, but not both. For example: inputs 7, 3, 6, 14 should output yes. Inputting 21, 42 should output no.

4. Write a C program that reads an integer between 1 and 12 and print the month of the year in English. Use switch case.
   Input :
        Input a number between 1 to 12 to get the month name: 8
   Expected Output:
        August

5. Write a C program that will first read an integer n, then read n integers. From those, it will find the sum of even integers.
   Example:
        Enter n: 5
        Input 5 integers: 2 3 5 6 7
        Sum of even integers = 8

6. Write a C program to read temperature in centigrade and display a suitable message according to temperature state below :
        Temp < 0 then Freezing weather
        Temp 0-10 then Very Cold weather
        Temp 10-20 then Cold weather
        Temp 20-30 then Normal in Temp
        Temp 30-40 then Its Hot
        Temp >=40 then Its Very Hot

   Test Data :
        42
   Expected Output :
        Its very hot.

7. Write a C program to check whether a triangle is Equilateral, Isosceles or Scalene.
   Test Data :
        50 50 60
   Expected Output :
        This is an isosceles triangle.

8. Write a C program to check whether an alphabet is a vowel or consonant.

9. Fizzbuzz is a very well known problem. Given a positive integer N, you need to print n lines.

   For multiples of **3**, you should print Fizz.
   For the multiples of **5**, you should print Buzz.
   For numbers which are multiple of **3** and **5** both, print "FizzBuzz".
   In other cases, print the current line number.

   Example

   Input: 5
   Output:
   1
   2
   Fizz
   4
   Buzz

10. Write a program in C to display the cube of the number upto given an integer.
    Test Data :
        Input number of terms : 5
    Expected Output :
        Number is : 1 and cube of the 1 is :1
        Number is : 2 and cube of the 2 is :8
        Number is : 3 and cube of the 3 is :27
        Number is : 4 and cube of the 4 is :64
        Number is : 5 and cube of the 5 is :125

11. Write a program in C that takes two inputs x and y and prints all numbers that are multiples of x but divisors of y. If there are none, print no such integers.
    Test Data :
        5 20
    Expected Output :
        5 10 20

    Test Data :
        6 20
    Expected Output :
        No such integers

12. Write a C program to find all roots of a quadratic equation (ax^2 + bx + c = 0). Mention the number of roots and Then list all of them.
   Example
   > **Input**
   > Input a: 8
   > Input b: -4
   > Input c: -2
   >
   > **Output**
   >
   > There are two roos.
   > Root1: 0.80
   > Root2: -0.30

13. Write a C program to input sides of a triangle and check whether triangle is valid or not using if else.
   Example
   Input
   Input first side: 7
   Input second side: 10
   Input third side: 5

   Output

   Triangle is valid

14. Remember the program we wrote to calculate the GPA of a student. Update it so that it can calculate the GPA of multiple terms and finally output the overall CGPA. For simplicity assume that CGPA is the average of all terms GPA.
   > **Example**
   > **Input**
   > Enter number of terms: 2
   >
   > Term 1:
   > Enter number of Subjects: 3
   > Enter Marks Subject 1: 80
   > Grade = A+, Points = 5.00
   > Enter Marks Subject 2: 70
   > Grade = A, Points = 4.00
   > Enter Marks Subject 3: 65
   > Grade = B, Points = 3.00
   > Term GPA: 4.00

Term 2:
Enter number of Subjects: 3
Enter Marks Subject 1: 50
Grade = C, Points = 2.00
Enter Marks Subject 2: 70
Grade = A, Points = 4.00
Enter Marks Subject 3: 65
Grade = B, Points = 3.00
Term GPA: 3.00

Overall CGPA = 3.50