

## Test 1 Sample

### 1) Question 1 ( Easy/solution: question1.cpp)

Write a code of a program that displays the integers, between 1 and 50, divisible by 3 or 11

**Example:**

3, 6, 9, 11, 12, 15 ,18, 22....

### 2) Question 2 ( Easy/solution: question2.cpp)

Write a code of a program that asks the user to enter the number of a month and displays the corresponding season.

**Example:**

If the user enters 6 (June), the program displays “summer”.

### 3) Question 3 (Medium/solution: question3.cpp)

Write the code of a program that displays the common factors of two positive integer numbers.

**Example:**

The common factors of 12 and 20 are: 1, 2 and 4.

### 4) Question 4 (Hard/solution: question4.cpp)

Write a code of a program that finds the smallest integer less than 100 that has the sum of its factors equal to 60.

**Example:**

24 is the smallest integer less than 100 that has the sum of its factors=60:

The factors of 24 are: 1, 2, 3, 4, 6, 8, 12 and 24.

$1 + 2 + 3 + 4 + 6 + 8 + 12 + 24 = 60$