C++ Programming Assignment 2

# Question 1:

Write a C++ program to find the first 10 natural numbers. The program should output the numbers from 1 to 10 as shown in the sample output below.

## Sample Output:

The natural numbers are: 1 2 3 4 5 6 7 8 9 10

## Requirements:

1. The program should output the first 10 natural numbers in a single line, separated by spaces.  
2. Use a loop to print the numbers.

# Question 2:

Write a C++ program to find the perfect numbers between 1 and 500. A perfect number is a number that is equal to the sum of its proper divisors (excluding itself). The program should output all perfect numbers between 1 and 500.

## Sample Output:

The perfect numbers between 1 to 500 are: 6 28 496

## Requirements:

1. The program should check each number from 1 to 500 to see if it is a perfect number.  
2. If the number is perfect, it should be printed.  
3. Use a loop to check the sum of divisors for each number.

# Question 3:

Write a C++ program to find the Greatest Common Divisor (GCD) of two numbers. The program should take two integers as input and output their GCD.

## Sample Output:

For example, for the input 56 and 98, the GCD is: 14

## Requirements:

1. The program should take two integers as input from the user.  
2. It should compute the GCD of the two numbers using the Euclidean algorithm.  
3. The GCD should be printed as the output.

**Submission Guidelines:**

1. Create a folder on your Google Drive for the assignment.
2. Take full-screen screenshots of each task, including both the complete code and the executed output from your system's IDE (online compiler screenshots are not valid).
3. Do not crop or edit the screenshots in any way to maintain clarity.
4. Upload the full-screen screenshots into the folder.
5. After uploading the screenshots, get the [shareable link](https://youtu.be/BbLmHRqHCAw) to the folder.
6. Submit the link to the assignment section.