Exercise 4: Fibonacci Using Recursion

This exercise requires you to implement the Fibonacci series using recursion

We'll cover the following

Problem Statement

Previously you wrote the code for generating *Fibonacci* series. In this exercise, you have to implement *Fibonacci series* again but using **Recursion** instead.

You're given the *function* `fibonacci` that takes integer `n` that tells the *range* up to which you want to calculate the series.

Now implement this logic using *recursion*.

Example

Input:

Value of `n` is **6**.

Output

```
0 1 1 2 3 5
```

Write your code below. It is recommended that you try solving the exercise yourself before viewing the solution.

Good Luck!

```
#include<iostream>
using namespace std;
```

```
int fibonacci(int n)
{
  //write the recursion code for fibonacci series here
}

//function to test your code
string test(int n)
{
    int i=0;
    string ans="";
    cout<<"\nFibonacci Series is as follows\n";

    while(i<n)
    {
        cout<<" "<<fibonacci(i);
        ans += std::to_string(fibonacci(i))+" ";
        i++;
    }

    return ans;
}
```