

# Challenge 2: Fibonacci Sequence up to n Number Of Terms

In this exercise, you have to compute Fibonacci series up to n number.

## We'll cover the following ^

- Problem Statement
  - Input
  - Output
  - Sample Input
  - Sample Output
- Coding Challenge

## Problem Statement #

In this exercise, you have to write [Fibonacci Sequence](#) of a given `number`.

- You have to print the sequence up to the given `range`.
- There is a **string** variable `ans` given in which you have to store all the **Fibonacci values** computed up to the given `range` by appending them.
  - Here's a [link](#) showing how you can add values to a **string**.

## Input #

an integer

## Output #

a string

## Sample Input #

```
range = 6
```

## Sample Output

Then `ans` should have the following stored in it for the sample input given:

```
Fibonacci Series upto 6 Terms
0 1 1 2 3 5
```

Display the output above in the console as well.

**Note** Just like it is shown in the picture above, the values in the **string** should have spaces in between them. You can add a space by simply adding quotation marks with space in between them to your string, like this: " ".

## Coding Challenge #

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

**Good Luck!**

```
//the variable $range contains the number upto which you need to calculate the fibonacci sequence
//dont worry about the php tags
```

```
$ans = "xyz"; //return the correct string
echo "Fibonacci Series upto $range Terms ";
```

```
//write your code for generating fibonacci sequence here
//Hint: Use the concepts from this chapter like loops and if-else statements
```



In the next lesson, there's another challenge for you to solve.