

# while loop to calculate and display the Fibonacci numbers less than 50

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/*
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*/
/*
Example4_9.cs illustrates the use of
a while loop to calculate and display
the Fibonacci numbers less than 50
*/

public class Example4_9
{

    public static void Main()
    {

        // initialize the first two numbers in the sequence
        int oldNumber = 1;
        int currentNumber = 1;

        int nextNumber;

        System.Console.Write(currentNumber + " ");

        while (currentNumber < 50) {
            System.Console.Write(currentNumber + " "); // calculate the
            next number by adding the // current number to the old number
            nextNumber = currentNumber + oldNumber; oldNumber =
            currentNumber; currentNumber = nextNumber; } } } [/csharp]
```