

```
using System;

class Program
{
    static void Main()
    {
        int[] numbers = new int[10];

        for (int i = 0; i < 10; i++)
        {
            numbers[i] = ReadNumber(1, 100);
        }

        Console.WriteLine("Numbers entered:");
        foreach (int number in numbers)
        {
            Console.WriteLine(number);
        }
    }

    static int ReadNumber(int start, int end)
    {
        Console.Write("Enter a number between {0} and {1}: ", start, end);
        string input = Console.ReadLine();

        if (!int.TryParse(input, out int number))
        {
            throw new Exception("Invalid input. Please enter a valid number.");
        }

        if (number < start || number > end)
        {
            throw new Exception("Number is not within the specified range.");
        }

        return number;
    }
}
```