

Software Developer Interview – Exercise # 1

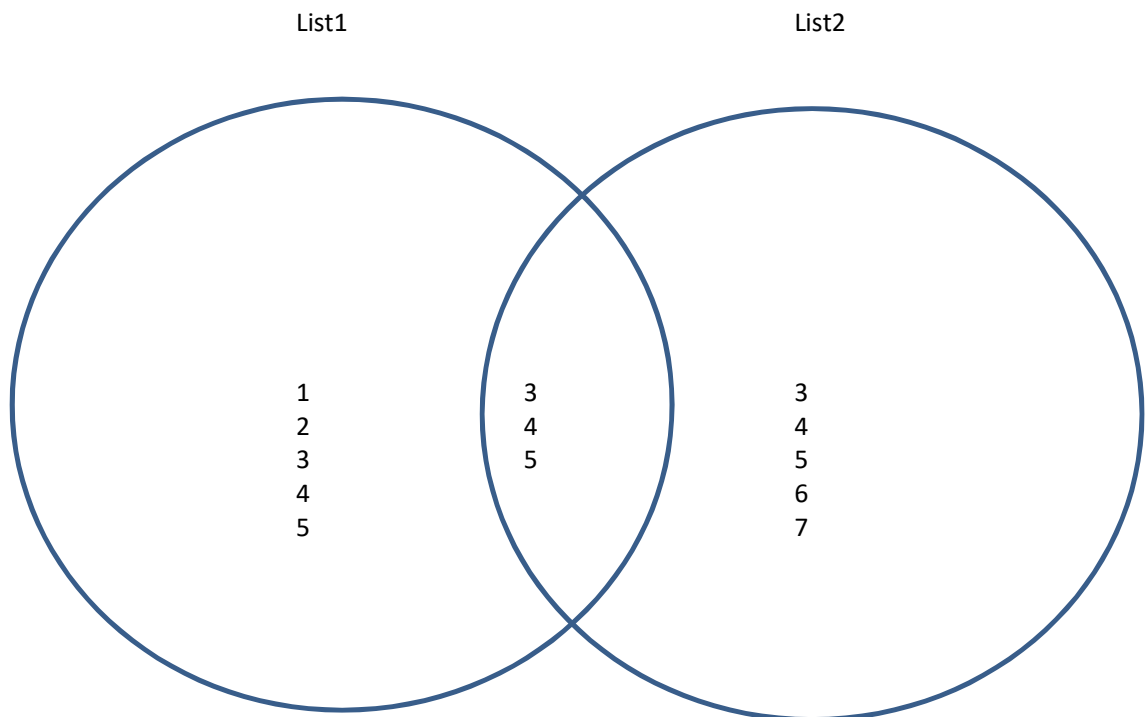
Thanks for applying for a Developer position at EnverSoft!

Please complete the coding exercise described below.

1. You have two lists / integer arrays: List1 and List2
2. List1 is an integer array with elements 1, 2, 3, 4 and 5
3. List2 is an integer array with elements: 3, 4, 5, 6 and 7

Question:

1. Please provide the missing code from the program below. In other words provide the code that will Output the answers to a. b. and c.



- a. Common elements in both lists. Answer: 3 4 5
- b. Elements in List1 that does not appear in List2. Answer: 1 2
- c. Elements in List2 that does not appear in List1. Answer: 6 7

Below is an extract of the code. When you have completed the task, please upload it to the public source repository (GitHub, Bitbucket, Gitlab etc.)

```
using System;

namespace ConsoleApplication1
{
    class Program
    {
        public static void Main(string[] args)
        {
            //You have two arrays/lists as follows
            int[] list1 = new int[] { 1, 2, 3, 4, 5 };
            int[] list2 = new int[] { 3, 4, 5, 6, 7 };

            //a. Show the common elements in both lists. E.g the common elements are "3 4 5", because they
            are contained in both lists.

            Console.WriteLine(string.Join(" ", list3));

            //b. Show the elements from list 1, but is not found in list2. E.g 1 2"

            Console.WriteLine(string.Join(" ", list4));

            //c. Complete here

            //Show the elements from list 2, but is not found in list1. E.g 6 7"
            Console.WriteLine(string.Join(" ", list5));

            Console.WriteLine("Press <ENTER> to continue");
            Console.ReadLine();
        }
    }
}
```