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((Course 2\Sixth lab))

Ex1: **Write a C# program to read and display array of 7 characters, then find the frequency of a specific character.**

```
namespace ConsoleApplication3
{
    class Program
    {
        static void Main(string[] args)
        {
            const int size = 7;
            char[] a = new char[size];
            char c1; int freq=0;
            // TO READ ARRAY
            for (int i = 0; i < size; i++)
                a[i] = char.Parse(Console.ReadLine());

            // TO DISPLAY THE ELEMENTS OF AN ARRAY
            for (int i = 0; i < a.Length; i++)
                Console.WriteLine("[" + i + "]= " + a[i]);
            // FIND THE FREQUENCY OF A SPECIFIC CHARACTER
            Console.WriteLine("Enter the character to find the frequency");
            c1 = char.Parse(Console.ReadLine());
            for (int i = 0; i < a.Length; i++)
                if (a[i] == c1)
                    freq++;
            Console.WriteLine("The Frequency : " + freq);
            Console.ReadLine();


        }
    }
}
```

The Output:

```
a
v
n
m
a
z
x
[0]= a
[1]= v
[2]= n
[3]= m
[4]= a
[5]= z
[6]= x
Enter the character to find the frequency
v
The Frequency : 1
```

Ex2: **Write a C# program to read and display array of 8 integer numbers and count the numbers divided by 7.**

```csharp
namespace ConsoleApplication11
{
    class Program
    {
        static void Main(string[] args)
        {
            const int size = 8;
            int[] a = new int[size];

            //to read array
            for (int i = 0; i < a.Length; i++)
                a[i] = Int16.Parse(Console.ReadLine());

            //to print array
            for (int i = 0; i < size; i++)
                Console.WriteLine("[" + i + "]=" + a[i]);

            int count = 0;
            //to find the numbers divided by 7
            for (int i = 0; i < size; i++)
                if (a[i] % 7 == 0)
                    count++;
            Console.WriteLine(count);
            Console.ReadLine();

        }
    }
}
```

The Output:

```
9
14
7
28
55
30
64
77
[0]=9
[1]=14
[2]=7
[3]=28
[4]=55
[5]=30
[6]=64
[7]=77
4
```

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Homeworks

Q1/Write a C# program to read and display array of 6 integer numbers and count the even and odd numbers.

Q2/Write a C# program to read and display array of 5 integer numbers and find the sum of the numbers.