Fatlum Maliqi / Kampusi Ferizaj

Chapter 1. Introduction to Programming

1.   Install and make yourself familiar with Microsoft Visual Studio and Microsoft Developer Network (MSDN) Library Documentation.

1. DONE !

2.   Find the description of the System.Console class in the standard .NET API documentation (MSDN Library).
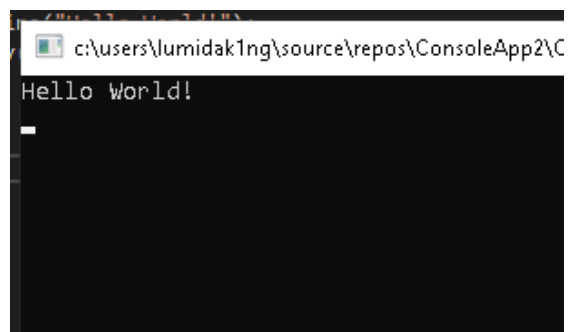
2. DONE !

3.   Find the description of the System.Console.WriteLine() method and its different possible parameters in the MSDN Library.

3. DONE !

4. Compile and execute the sample program from this chapter using the command prompt (the console) and Visual Studio.
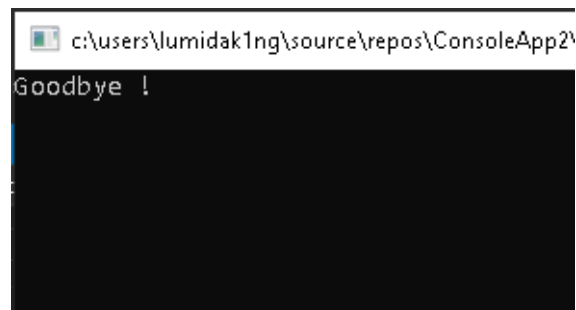
```
using System;

namespace exercise 1.4
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Hello World!");
            Console.ReadKey();
        }
    }
}
```


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Hello World!

5. Modify the sample program to print a different greeting, for example "Good Day!".

```csharp
using System;

namespace exercise 1.5
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Goodbye !");
            Console.ReadKey();
        }
    }
}
```
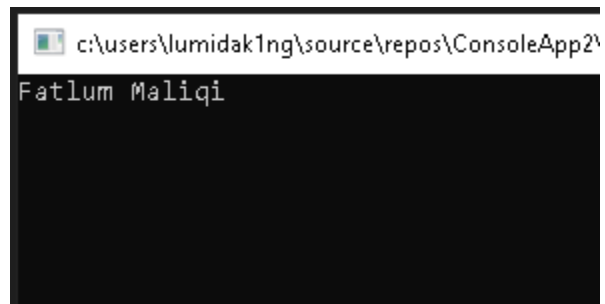
6. Write a console application that prints your first and last name on the console.
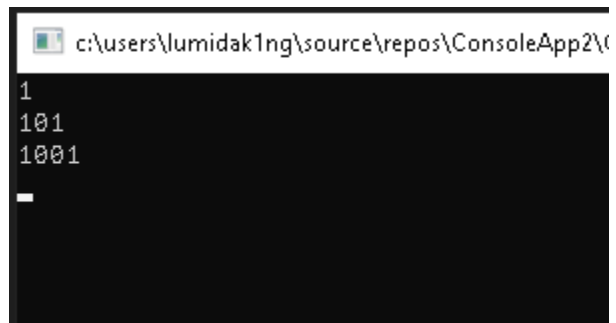
```
using System;

namespace exercise 1.6
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Fatlum Maliqi");
            Console.ReadKey();
        }
    }
}
```

```
c:\users\lumidak1ng\source\repos\ConsoleApp2\
Fatlum Maliqi
```

7. Write a program that prints the following numbers on the console 1, 101, 1001, each on a new line.

```csharp
using System;

namespace exercise 1.7
{
  class Program
  {
    static void Main(string[] args)
    {
      Console.WriteLine("1");
      Console.WriteLine("101");
      Console.WriteLine("1001");
      Console.ReadKey();
    }
  }
}
```
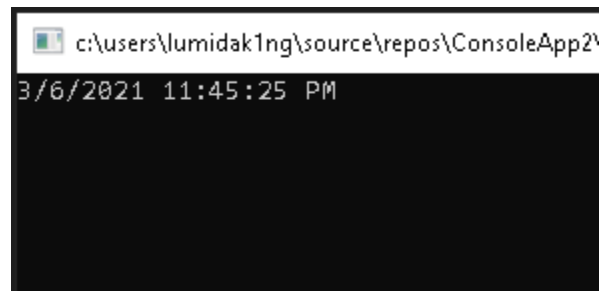
8. Write a program that prints on the console the current date and time.

```
using System;

namespace exercise 1.8
{
    class Program
    {
        static void Main(string[] args)
        {
            DateTime now = DateTime.Now;
            Console.WriteLine(now);
            Console.ReadLine();
        }
    }
}
```
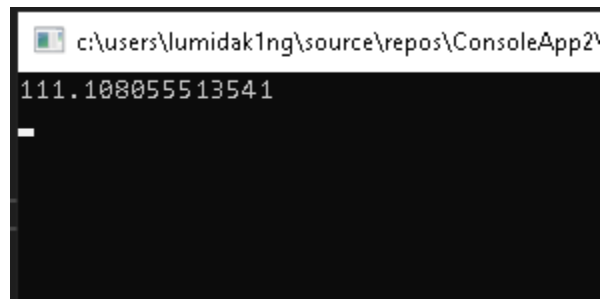

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9. Write a program that prints the square root of 12345.

```
using System;

namespace exercise 1.9
{
  class Program
  {
    static void Main(string[] args)
    {
      Console.WriteLine(Math.Sqrt(12345));
      Console.ReadKey();
    }
  }
}
```



```
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111.108055513541
```

10. Write a program that prints the first 100 members of the sequence 2, -3, 4, -5, 6, -7, 8.

```csharp
using System;

namespace exercise 1.10
{
  class Program
  {
    static void Main(string[] args)
    {
      for (int i = 0; i <= 100; i++)
      {
        if (i % 2 != 0)
        {
          Console.WriteLine("-{0}",i);
        }
        else
        {
          Console.WriteLine(i);
        }
      }
      Console.ReadKey();
    }
  }
}
```

```
0
-1
2
-3
4
-5
6
-7
8
-9
10
-11
12
-13
14
-15
16
-17
18
-19
20
-21
22
-23
24
-25
26
-27
28
-29
```

```
72
-73
74
-75
76
-77
78
-79
80
-81
82
-83
84
-85
86
-87
88
-89
90
-91
92
-93
94
-95
96
-97
98
-99
100
```
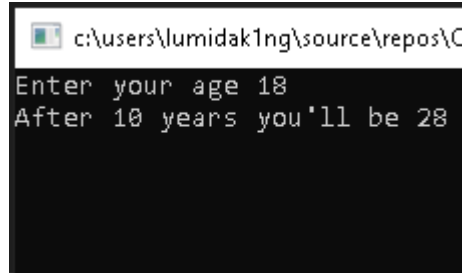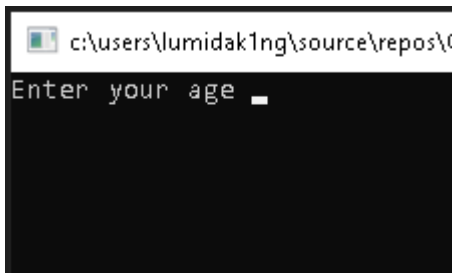
11. Write a program that reads your age from the console and prints your age after 10 years.

```csharp
using System;

namespace exercise 1.11
{
    class Program
    {
        static void Main(string[] args)
        {
            int age;
            Console.Write("Enter your age ");
            age = Convert.ToInt32(Console.ReadLine());
            Console.Write("After 10 years you'll be {0} ", age + 10);
            Console.ReadKey();
        }
    }
}
```



```
c:\users\lumidak1ng\source\repos\C

Enter your age _
```



```
c:\users\lumidak1ng\source\repos\C

Enter your age 18
After 10 years you'll be 28
```

C# eshte nje gjuhe programuese mjaft e fuqishme, e krijuar nga Microsoft, e cila na mundeson krijimin e aplikacioneve moderne. File-t e C# sharp marrin mbaresen ".cs" . Ndersa platforma .NET eshtje nje library mjaft e madhe e klasave, te cilat na mundesojne nje kodimin sa me te lehte. Edhe .NET eshte krijuar nga Microsoft.

13.   Make a list of the most popular programming languages. How are they different from C#?

C#, C++, C dhe Java thuajse kryejne te njejten pune , mirpo dicka qe i jep avantazh C#-it eshte ajo se kjo gjuhe ka librarin e saj (.NET Framework) ku nevojitet vetem nje text editor dhe jemi gati per te koduar. C# eshte gjuhe programuese e cila ka rrjedhur nga C dhe C++, kjo gjuhe u krijua nga Microsoft per te garuar me Java, kto dy gjuhe kane mjaft ngjashmeri mirpo mjaft dallime gjithashtu, por dicka qe duhet cekur eshte se C# permban nje kode te thjeshte dhe elegant, per zhvillimin e Web-it si dhe te lojrave dhe eshte mjaft e populluar per aplikacionet mobile. Ne krahasim me C#, Java eshte nje gjuhe me komplekse.

14.   Decompile the example program from exercise 5.