OOP LAB TAKS # 09

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Class ID:106278.

Student ID:12113.

Task:

Question no. 1:

Inputted Code:

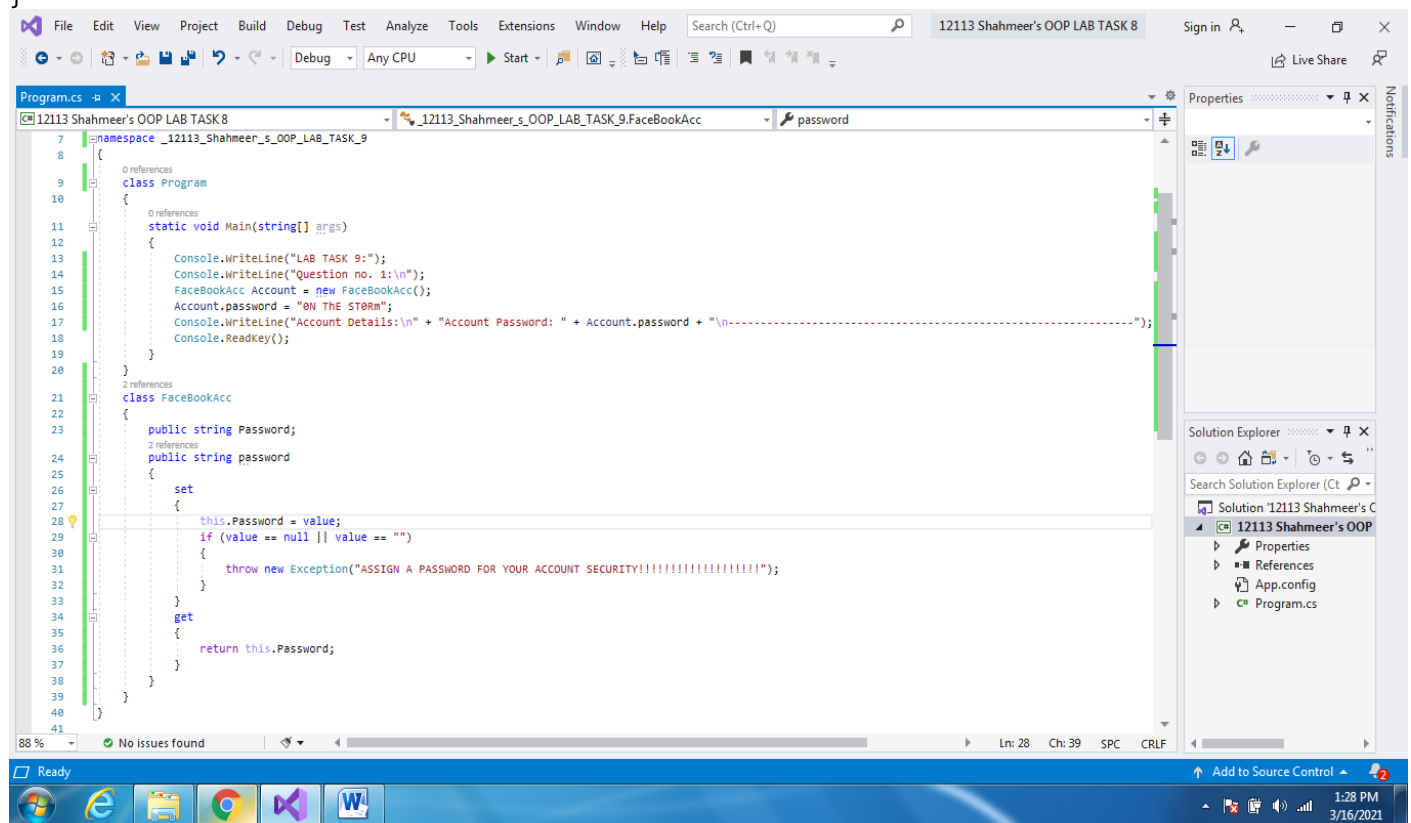*)Scenario 1(When there is some value assigned to the Password thing):*

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace _12113_Shahmeer_s_OOP_LAB_TASK_9
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("LAB TASK 9:");
            Console.WriteLine("Question no. 1:\n");
            FaceBookAcc Account = new FaceBookAcc();
            Account.password = "0N ThE ST0Rm";
            Console.WriteLine("Account Details:\n" + "Account Password: " +
Account.password + "\n--------------------------------------------------------------");
            Console.ReadKey();
        }
```

```csharp
    }
    class FaceBookAcc
    {
        public string Password;
        public string password
        {
            set
            {
                this.Password = value;
                if (value == null || value == "")
                {
                    throw new Exception("ASSIGN A PASSWORD FOR YOUR ACCOUNT SECURITY!!!!!!!!!!!!!!!!!!!!");
                }
            }
            get
            {
                return this.Password;
            }
        }
    }
}
```
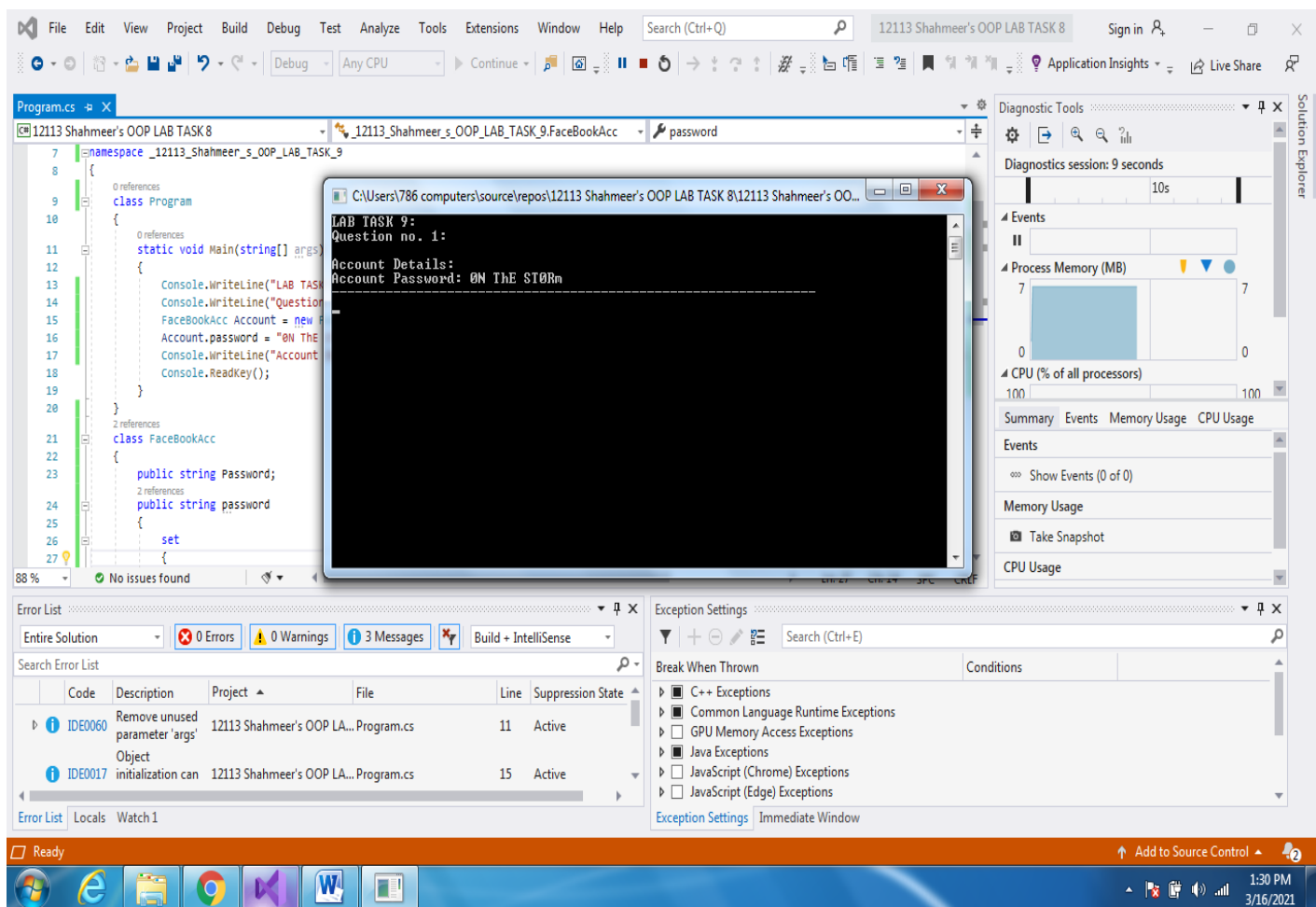
Output:

Here the output is coming perfect when the string "Password" got filled through [(Account.password in main func. with "0N ThE ST0Rm" which got passed through to the "password" string in class "FaceBookAcc")] with something typed in in Account.password in main function which was "0N ThE ST0Rm".Just like what was required in Question 1.

*)Scenario 2(When the Value is null/not assigned to the Password thing):

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace _12113_Shahmeer_s_OOP_LAB_TASK_9
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("LAB TASK 9:");
            Console.WriteLine("Question no. 1:\n");
            FaceBookAcc Account = new FaceBookAcc();
            Account.password = "";
            Console.WriteLine("Account Details:\n" + "Account Password: " +
Account.password + "\n------------------------------------------------------------");
            Console.ReadKey();
        }
    }
    class FaceBookAcc
    {
        public string Password;
        public string password
        {
            set
            {
                this.Password = value;
                if (value == null || value == "")
                {
                    throw new Exception("ASSIGN A PASSWORD FOR YOUR ACCOUNT
SECURITY!!!!!!!!!!!!!!!!!!!!!");
                }
            }
            get
            {
                return this.Password;
            }
        }
    }
}
```
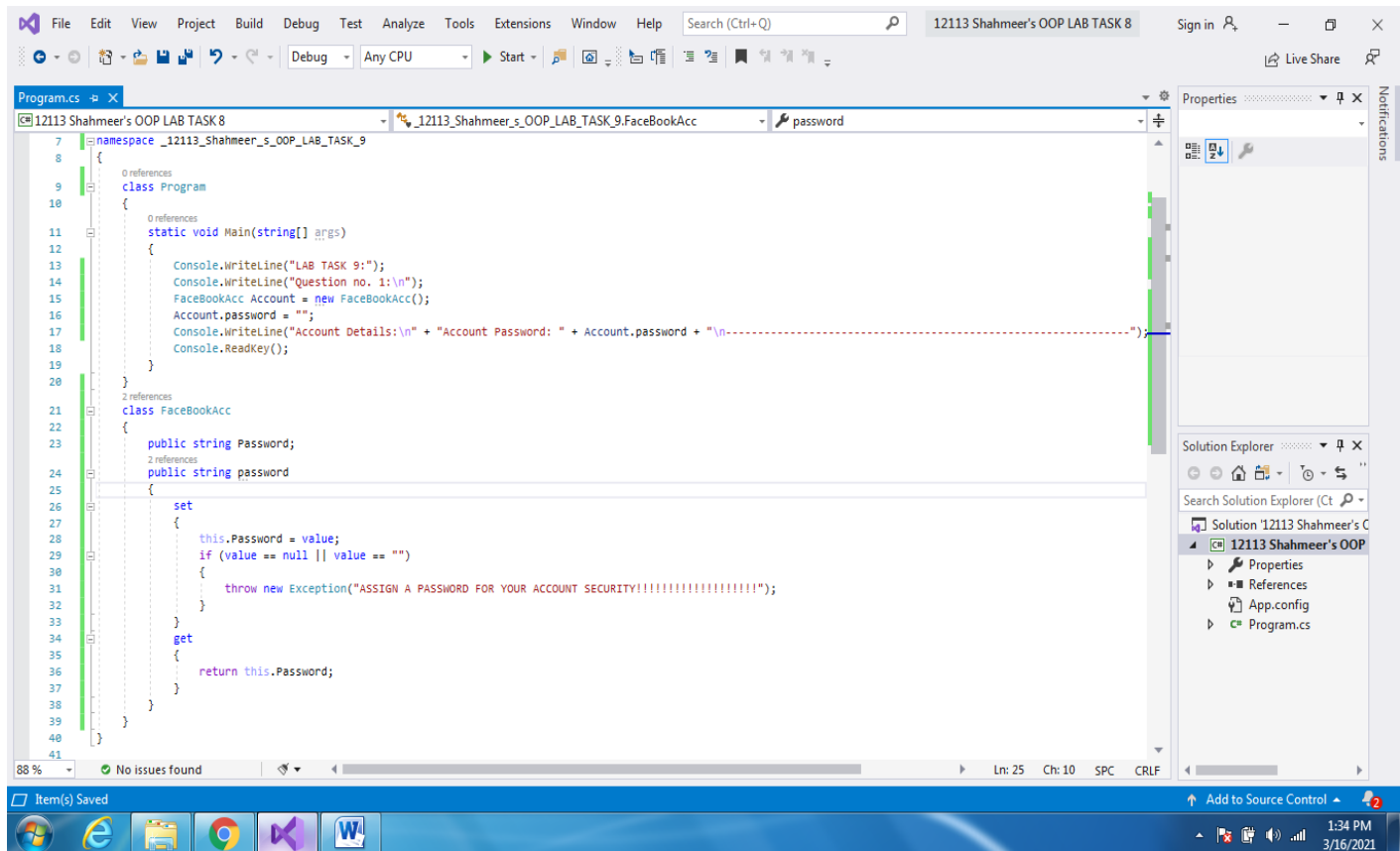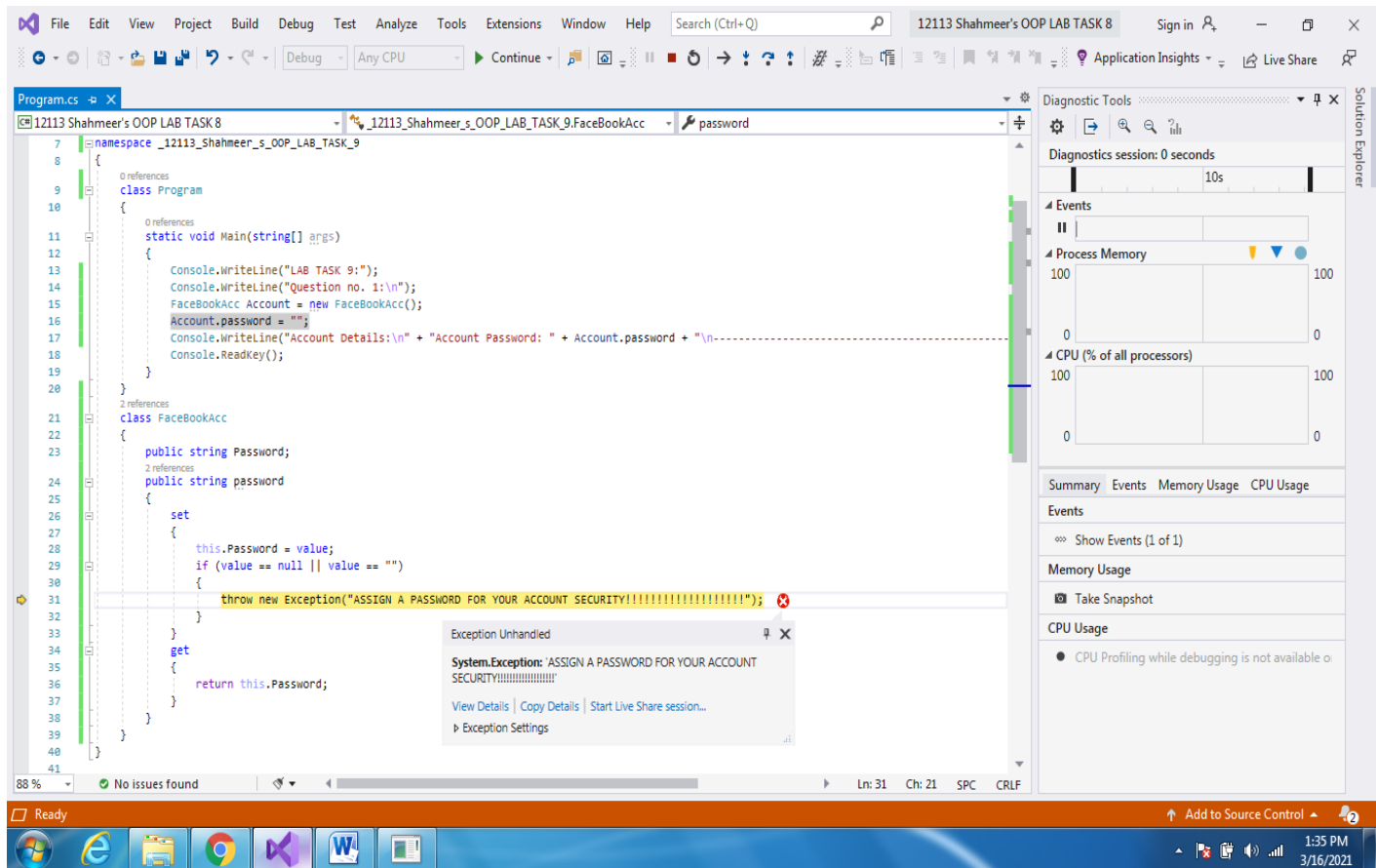
Program.cs

12113 Shahmeer's OOP LAB TASK 8 | _12113_Shahmeer_s_OOP_LAB_TASK_9.FaceBookAcc | password

```csharp
namespace _12113_Shahmeer_s_OOP_LAB_TASK_9
{
    0 references
    class Program
    {
        0 references
        static void Main(string[] args)
        {
            Console.WriteLine("LAB TASK 9:");
            Console.WriteLine("Question no. 1:\n");
            FaceBookAcc Account = new FaceBookAcc();
            Account.password = "";
            Console.WriteLine("Account Details:\n" + "Account Password: " + Account.password + "\n------------------------------------------------------");
            Console.ReadKey();
        }
    }
    2 references
    class FaceBookAcc
    {
        public string Password;
        2 references
        public string password
        {
            set
            {
                this.Password = value;
                if (value == null || value == "")
                {
                    throw new Exception("ASSIGN A PASSWORD FOR YOUR ACCOUNT SECURITY!!!!!!!!!!!!!!!!!!!!!");
                }
            }
            get
            {
                return this.Password;
            }
        }
    }
}
```

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Solution '12113 Shahmeer's C
12113 Shahmeer's OOP
  Properties
  References
  App.config
  Program.cs

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Output:

*Here the Output is different when nothing is passed in the string of "password" which is in the class of "FaceBookAcc" and is storing the value in "Password" string which is empty atm in output here coz nothing was passed in the main function in Account.password thing which will store the value in "Password" through "password" if something gets passed on in it(in Account.password[which is in the main function]) otherwise the exception error will come as asked in the question 1's requirement.

```
namespace _12113_Shahmeer_s_OOP_LAB_TASK_9
{
    0 references
    class Program
    {
        0 references
        static void Main(string[] args)
        {
            Console.WriteLine("LAB TASK 9:");
            Console.WriteLine("Question no. 1:\n");
            FaceBookAcc Account = new FaceBookAcc();
            Account.password = "";
            Console.WriteLine("Account Details:\n" + "Account Password: " + Account.password + "\n--------------------------------
            Console.ReadKey();
        }
    }
    2 references
    class FaceBookAcc
    {
        public string Password;
        2 references
        public string password
        {
            set
            {
                this.Password = value;
                if (value == null || value == "")
                {
                    throw new Exception("ASSIGN A PASSWORD FOR YOUR ACCOUNT SECURITY!!!!!!!!!!!!!!!!!!!!!");
                }
            }
            get
            {
                return this.Password;
            }
        }
    }
}
```

Exception Unhandled   ⚲ ✕

System.Exception: 'ASSIGN A PASSWORD FOR YOUR ACCOUNT
SECURITY!!!!!!!!!!!!!!!!!!'

View Details | Copy Details | Start Live Share session...
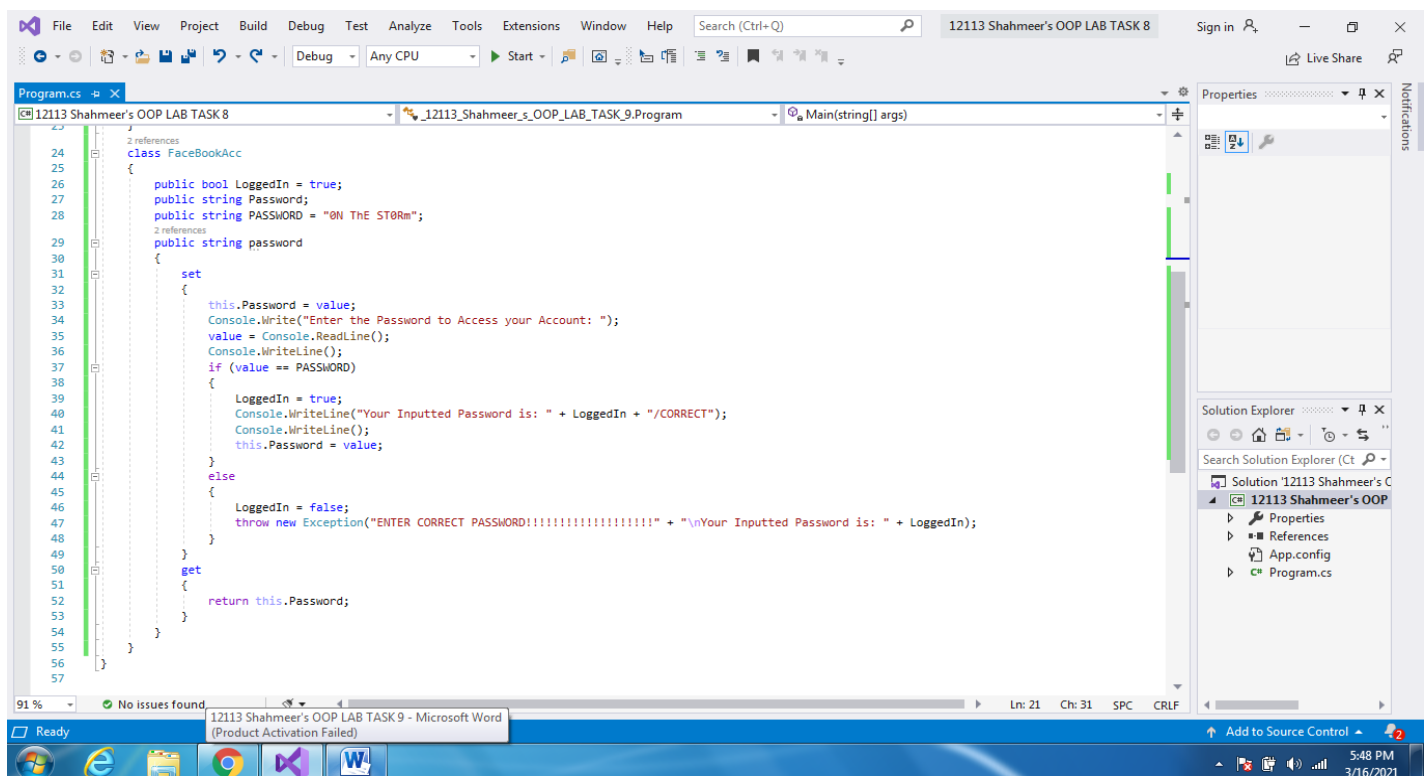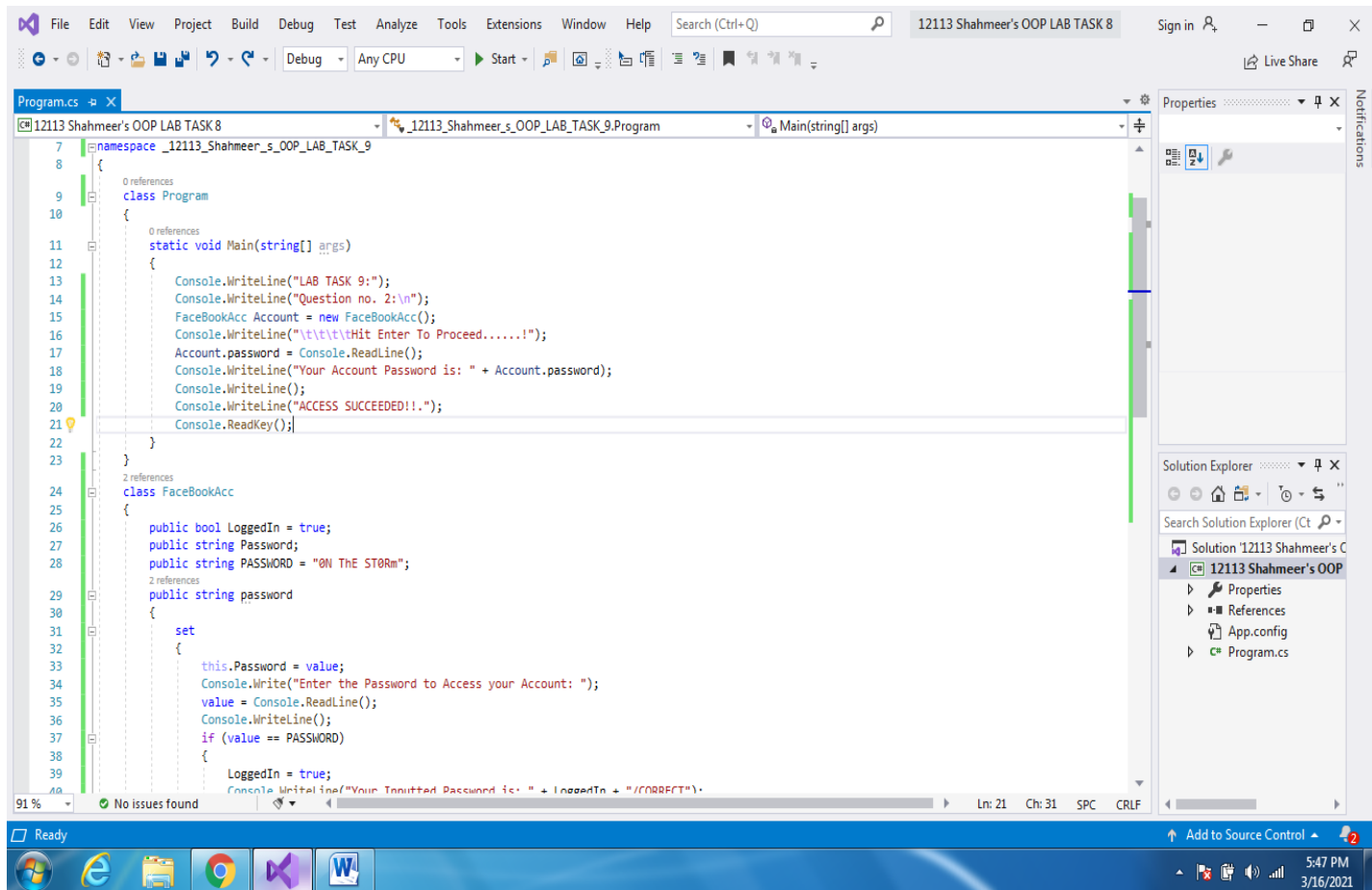▷ Exception Settings

Question no. 2:

Inputted Code:

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace _12113_Shahmeer_s_OOP_LAB_TASK_9
{
```

```csharp
class Program
{
    static void Main(string[] args)
    {
        Console.WriteLine("LAB TASK 9:");
        Console.WriteLine("Question no. 2:\n");
        FaceBookAcc Account = new FaceBookAcc();
        Console.WriteLine("\t\t\t\tHit Enter To Proceed......!");
        Account.password = Console.ReadLine();
        Console.WriteLine("Your Account Password is: " + Account.password);
        Console.WriteLine();
        Console.WriteLine("ACCESS SUCCEEDED!!.");
        Console.ReadKey();
    }
}
class FaceBookAcc
{
    public bool LoggedIn = true;
    public string Password;
    public string PASSWORD = "0N ThE ST0Rm";
    public string password
    {
        set
        {
            this.Password = value;
            Console.Write("Enter the Password to Access your Account: ");
            value = Console.ReadLine();
            Console.WriteLine();
            if (value == PASSWORD)
            {
                LoggedIn = true;
                Console.WriteLine("Your Inputted Password is: " + LoggedIn +
"/CORRECT");

                Console.WriteLine();
                this.Password = value;
            }
            else
            {
                LoggedIn = false;
                throw new Exception("ENTER CORRECT PASSWORD!!!!!!!!!!!!!!!!!!!" +
"\nYour Inputted Password is: " + LoggedIn);
            }
        }
        get
        {
            return this.Password;
        }
    }
}
```
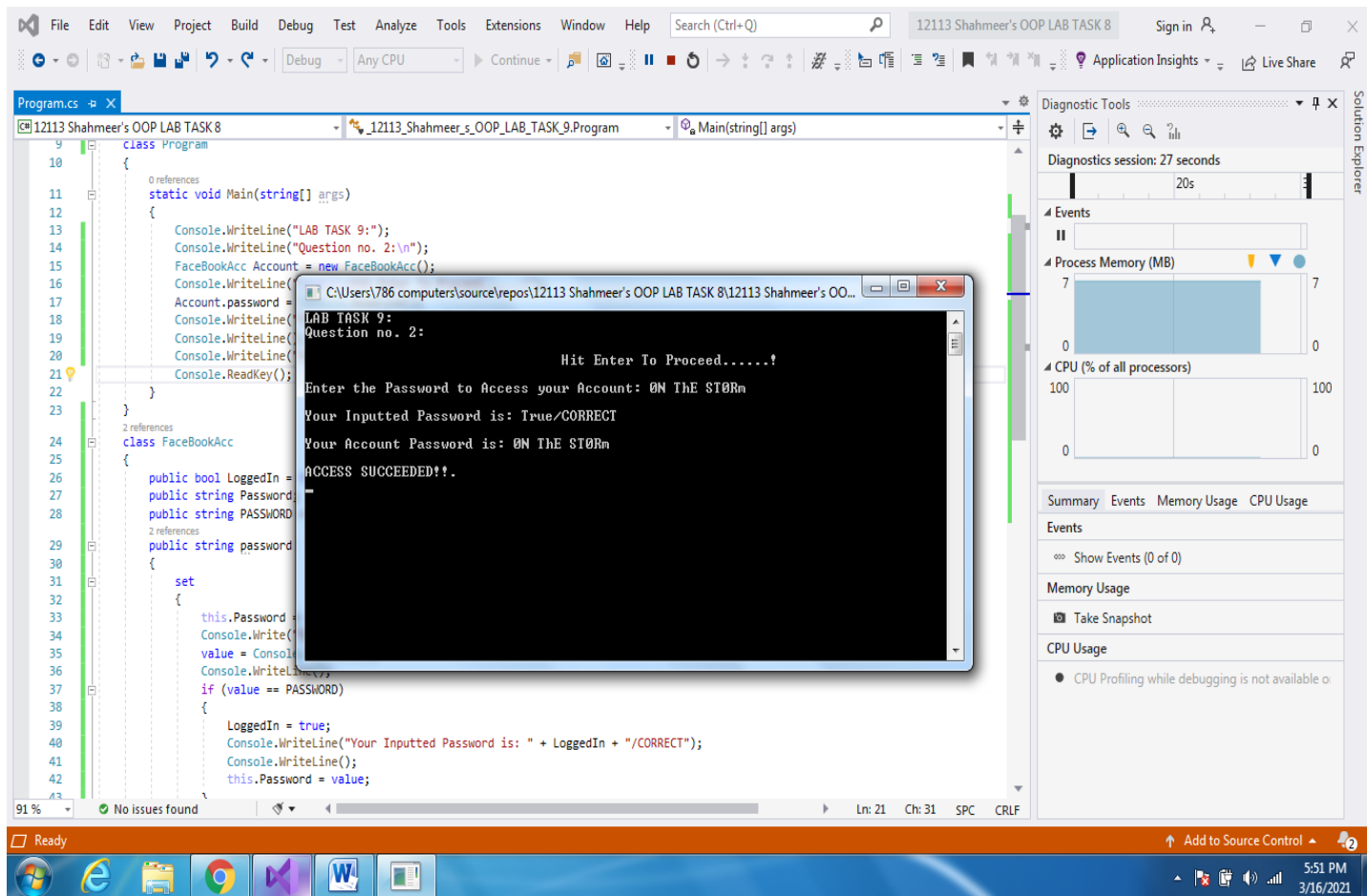
```csharp
namespace _12113_Shahmeer_s_OOP_LAB_TASK_9
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("LAB TASK 9:");
            Console.WriteLine("Question no. 2:\n");
            FaceBookAcc Account = new FaceBookAcc();
            Console.WriteLine("\t\t\t\tHit Enter To Proceed......!");
            Account.password = Console.ReadLine();
            Console.WriteLine("Your Account Password is: " + Account.password);
            Console.WriteLine();
            Console.WriteLine("ACCESS SUCCEEDED!!.");
            Console.ReadKey();
        }
    }
    class FaceBookAcc
    {
        public bool LoggedIn = true;
        public string Password;
        public string PASSWORD = "0N ThE ST0Rm";
        public string password
        {
            set
            {
                this.Password = value;
                Console.Write("Enter the Password to Access your Account: ");
                value = Console.ReadLine();
                Console.WriteLine();
                if (value == PASSWORD)
                {
                    LoggedIn = true;
                    Console.WriteLine("Your Inputted Password is: " + LoggedIn + "/CORRECT");
```
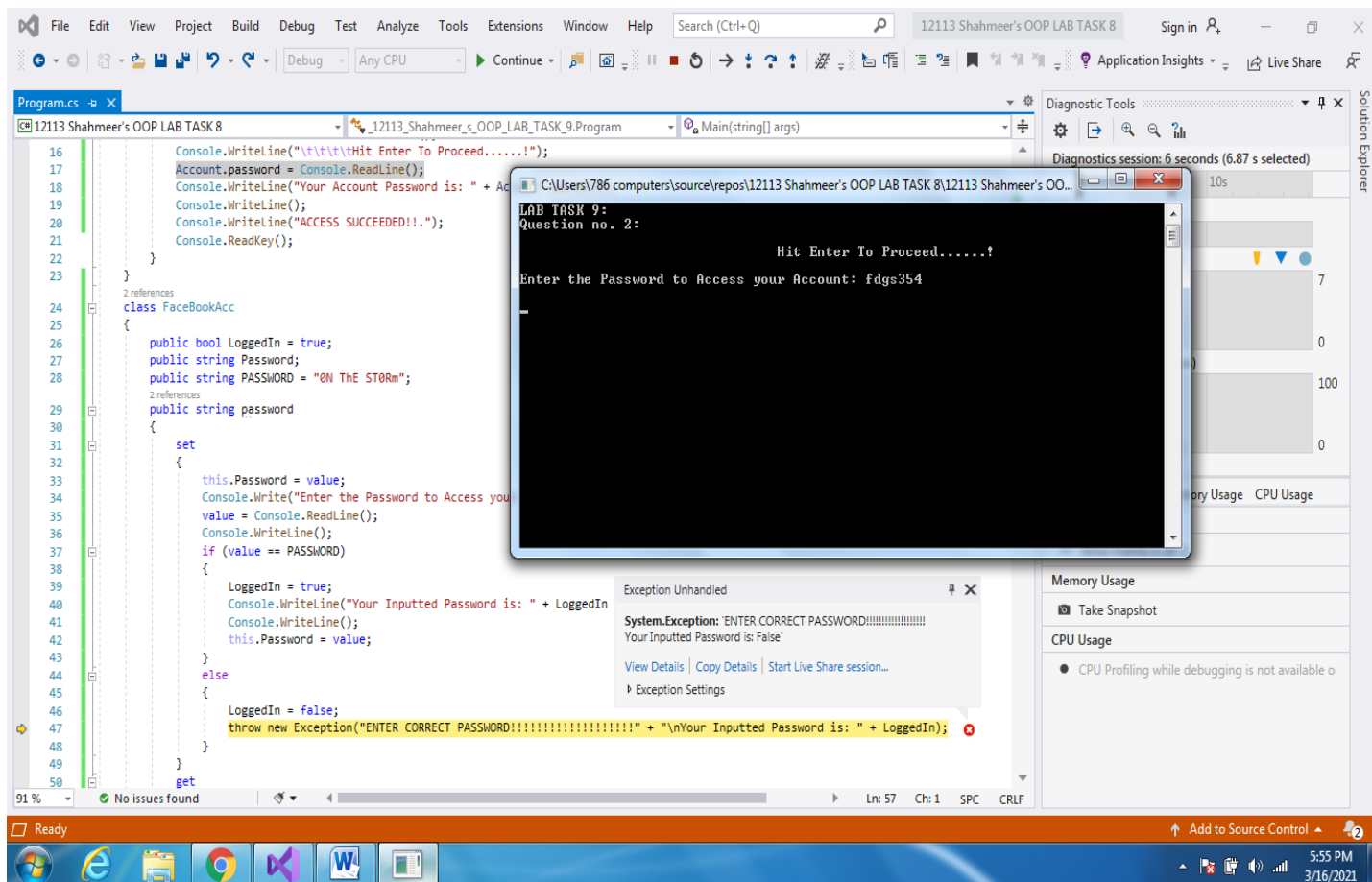
```csharp
        class FaceBookAcc
        {
            public bool LoggedIn = true;
            public string Password;
            public string PASSWORD = "0N ThE ST0Rm";
            public string password
            {
                set
                {
                    this.Password = value;
                    Console.Write("Enter the Password to Access your Account: ");
                    value = Console.ReadLine();
                    Console.WriteLine();
                    if (value == PASSWORD)
                    {
                        LoggedIn = true;
                        Console.WriteLine("Your Inputted Password is: " + LoggedIn + "/CORRECT");
                        Console.WriteLine();
                        this.Password = value;
                    }
                    else
                    {
                        LoggedIn = false;
                        throw new Exception("ENTER CORRECT PASSWORD!!!!!!!!!!!!!!!!!!!" + "\nYour Inputted Password is: " + LoggedIn);
                    }
                }
                get
                {
                    return this.Password;
                }
            }
        }
    }
```

Output:

Output 1:

Here the Output is perfect when I typed the correct password in the output same as the stored one in "PASSWORD"(which was "0N ThE ST0Rm") so with doing this the condition gets true and it proceeds towards the Access thing. Just like what was required in the question 2.

Output 2:

Now Here when we typed some random characters into the asking of password thing the condition got false there because it didn't got matched with "PASSWORD" string data which was "0N ThE ST0Rm". Just Like what was required in Question 2.

Question no. 3:

Inputted Code:

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace _12113_Shahmeer_s_OOP_LAB_TASK_9
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("LAB TASK 9:");
            Console.WriteLine("Question no. 3:\n");
            FaceBookAcc Account = new FaceBookAcc();
            Console.WriteLine("\t\t\t\tHit Enter To Proceed......!");
            Account.password = Console.ReadLine();
            Console.WriteLine();
            Console.WriteLine("ACCESS SUCCEEDED!!.");
            Console.ReadKey();
        }
    }
    class FaceBookAcc
    {
        public bool LoggedIn = true;
        private string Password;
        private string PASSWORD = "0N ThE ST0Rm";
        public string password
        {
            set
            {
                this.Password = value;
                Console.Write("Enter the Password to Access your Account: ");
                value = Console.ReadLine();
                Console.WriteLine();
                if (value == PASSWORD)
                {
                    LoggedIn = true;
                    Console.WriteLine("Your Inputted Password is: " + LoggedIn +
"/CORRECT");
                    Console.WriteLine();
                    this.Password = value;
                }
                else
                {
                    LoggedIn = false;
                    throw new Exception("ENTER CORRECT PASSWORD!!!!!!!!!!!!!!!!!!!!" +
"\nYour Inputted Password is: " + LoggedIn);
                }
            }
            get
```
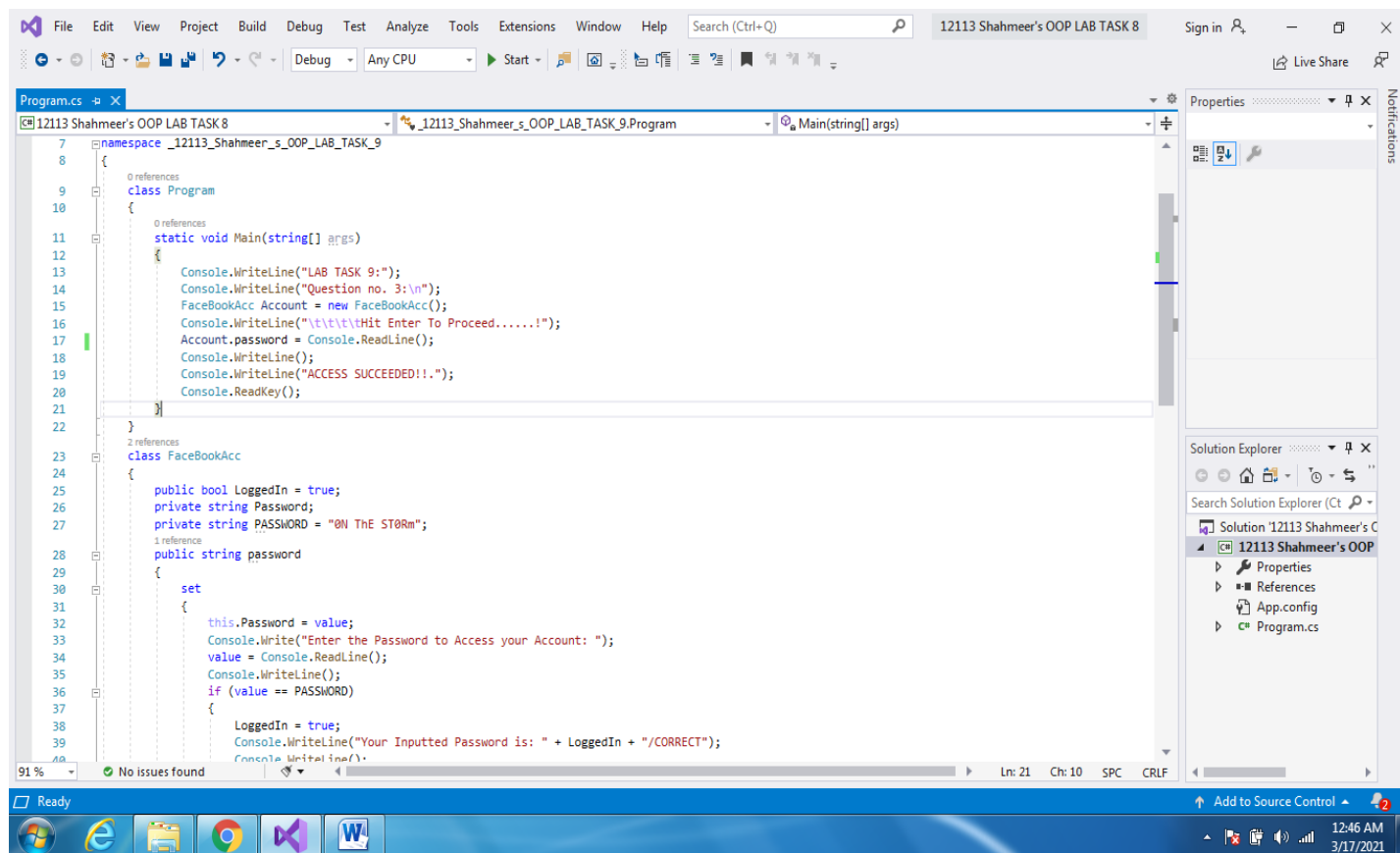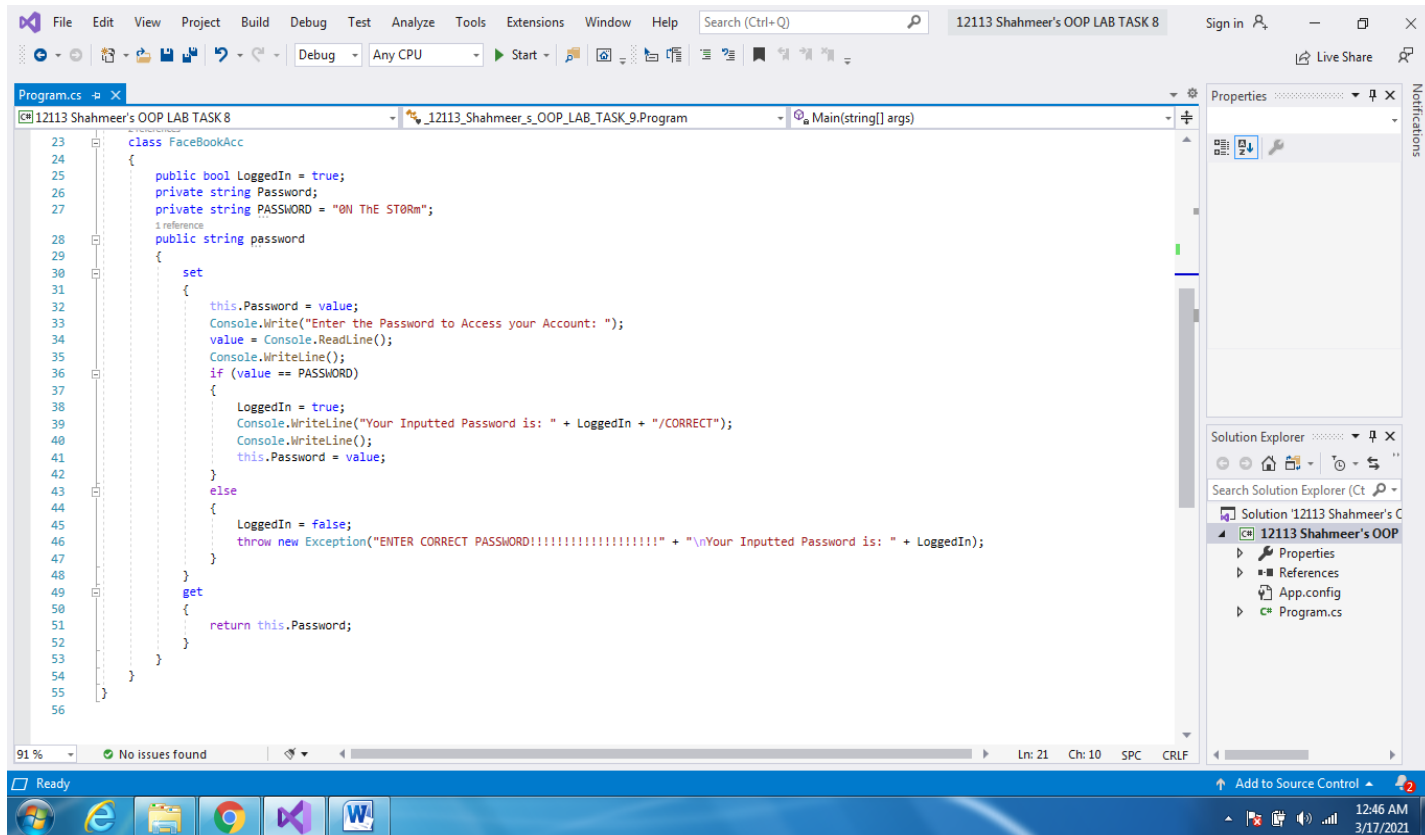
```
        {
            return this.Password;
        }
    }
}
}
```

*) Here in the code nothing much is done just the "Password" string [which will be holding a value or you can say password after the user input's his password through the output screen] has been turned to a private string. And "PASSWORD" string [which is used in the code for true and false condition with user input thing, and also holds a defined value which is "0n ThE ST0Rm"] has been turned into a private string, both strings have been turned to private, just like what was required in Question 3.

```
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     namespace _12113_Shahmeer_s_OOP_LAB_TASK_9
7
8    {
         0 references
9        class Program
10       {
             0 references
11           static void Main(string[] args)
12           {
13               Console.WriteLine("LAB TASK 9:");
14               Console.WriteLine("Question no. 3:\n");
15               FaceBookAcc Account = new FaceBookAcc();
16               Console.WriteLine("\t\t\t\tHit Enter To Proceed......!");
17               Account.password = Console.ReadLine();
18               Console.WriteLine();
19               Console.WriteLine("ACCESS SUCCEEDED!!.");
20               Console.ReadKey();
21           }
22       }
         2 references
23       class FaceBookAcc
24       {
25           public bool LoggedIn = true;
26           private string Password;
27           private string PASSWORD = "0N ThE ST0Rm";
             1 reference
28           public string password
29           {
30               set
31               {
32                   this.Password = value;
33                   Console.Write("Enter the Password to Access your Account: ");
34                   value = Console.ReadLine();
35                   Console.WriteLine();
36                   if (value == PASSWORD)
37                   {
38                       LoggedIn = true;
39                       Console.WriteLine("Your Inputted Password is: " + LoggedIn + "/CORRECT");
                         Console.WriteLine();
```

Solution Explorer
- Solution '12113 Shahmeer's C
  - 12113 Shahmeer's OOP
    - Properties
    - References
    - App.config
    - Program.cs