

Laboratory Exercise

Introduction to Microsoft Visual C# .NET

Objectives:

At the end of the exercise, the students should be able to:

- Open C#.Net
- Create a new project or a program
- Exit C# .Net

Materials:

- Flash drive
- PC with installed Microsoft Visual C# 2010 Express

Basic Principles:

With the use of Microsoft Visual C# 2010, you can develop a program of windows form applications and web applications.

Procedures:

Activity 1 Starting Visual C# .Net

1. Click **Start**, point to **All Programs**, point to **Microsoft Visual Studio 2010 Express** and then click **Microsoft Visual C# 2010 Express**.

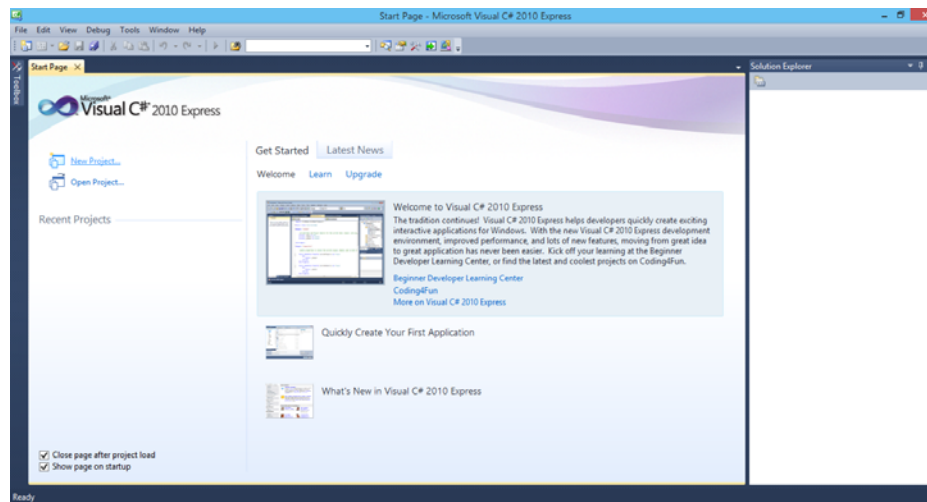


Figure 1.1 C# Start Page

Note: For the introduction of developing using C# programming language, we will create a new project that will be discussed later. Click **New Project** to create a project.

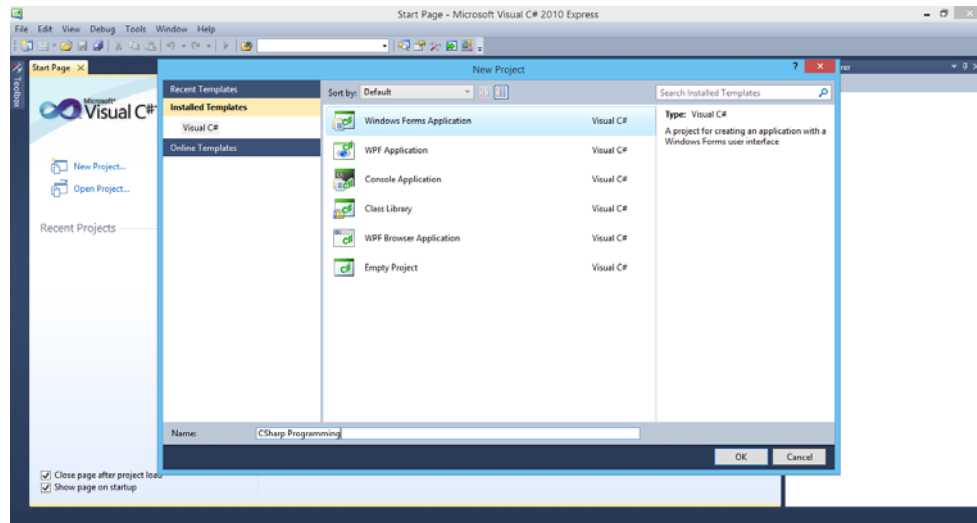


Figure 1.2 New Project

- After clicking **New Project.**, a new window will prompt. Select **Windows Forms Application** then name your project as "**CSharp Programming**". Press **OK** button.

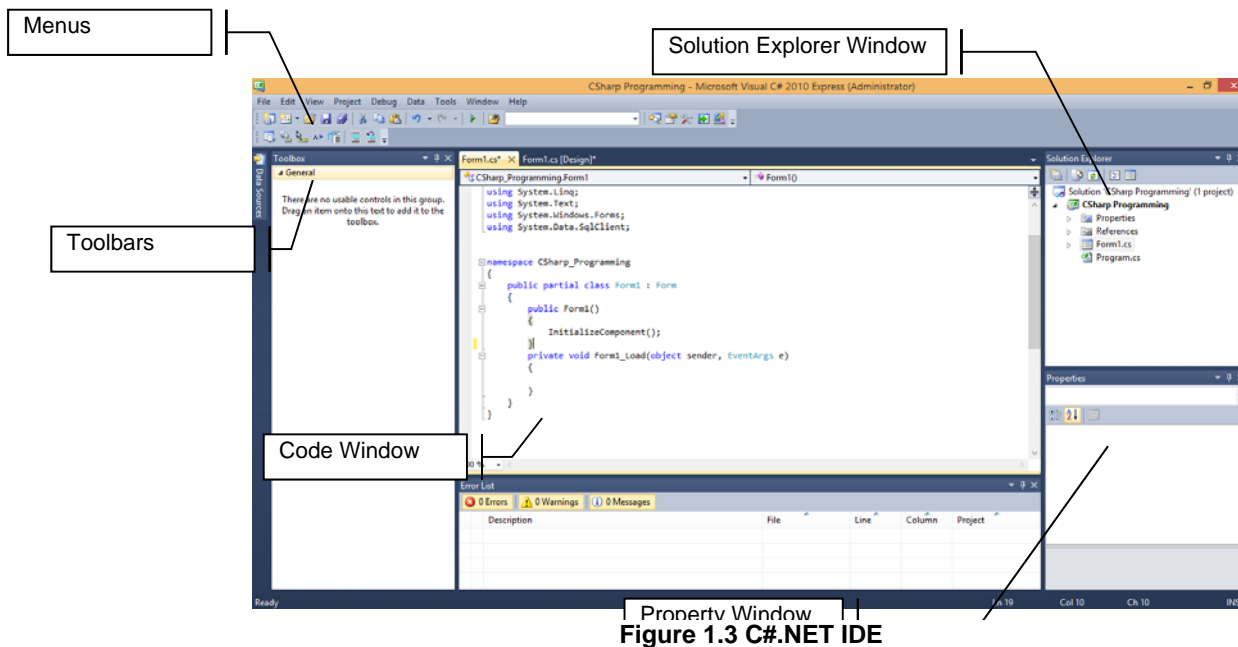



Figure 1.3 C#.NET IDE

Activity 2 Writing a simple program

- Insert the following lines of code inside the **Form1_Load Function**:

```
private void Form1_Load(object sender, EventArgs e)
{
    MessageBox.Show("Hello STI Students!");
}
```

Activity 3 Running a simple program

1. Click the **Start Debugging**  button on the toolbar. An output similar to the one shown below will appear on your screen if you successfully run the program.

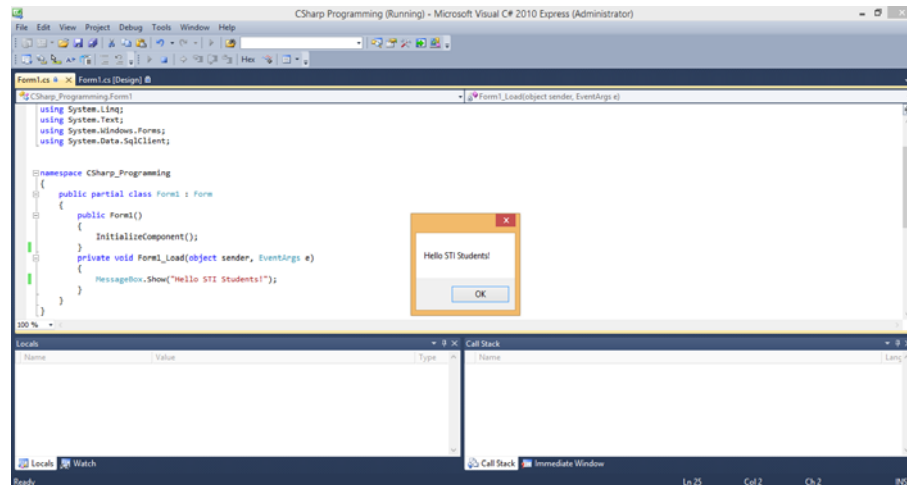


Figure 1.4 Running a program

NOTE: You must always check your codes before **debugging** or **running** your program. If error occurs, click the **Stop button** to interrupt the program from running, then check your codes and ensure that the provided code above is entered correctly.

Activity 4 Saving a program

1. Click **File** menu then select **Save All** from the submenu. The **Save Project** dialog box appears.

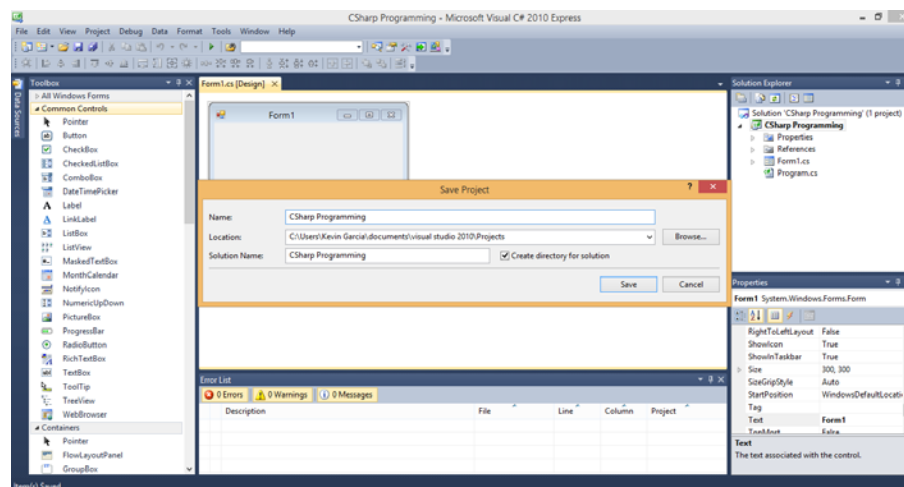


Figure 1.5 Saving a project

NOTE: C# .NET automatically creates a folder in My Documents which serves as the default saving location of the projects. However, you can save your projects to any location by clicking on the Browse button.

2. Click **Browse**. The **Project Location** dialog box appears.

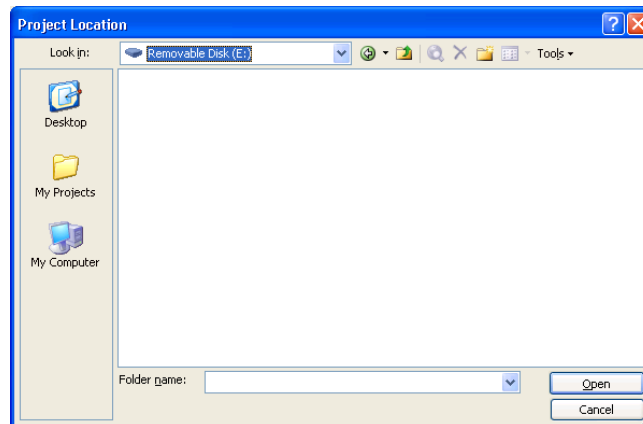




Figure 1.6 Saving a project

3. Locate your flash drive in the **Look in** box.
4. Click the **Create New Folder**  button then name it **LabExercise1 - [Surname]**. Click **OK**.
5. Select the created folder and then click **Open**.
TIP: If the folder you created is not displayed, click the Up One Level  button then select the folder and then click Open.
6. Click **Save** on the **Save Project** dialog box.

Exiting C#.Net

1. On **File** menu, click **Exit** or you can simply click the **Close** (X) button on the upper-right corner of the application.