**Due Date: 21-11-22**

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# University Institute of Information Technology

Course Instructor: Dr. Asif Nawaz Class: BSIT/BSSE (M/E)

# Important Notes:

**Assignment No. 2**

Assignments will be submitted on time. You will have 10 hours to submit the assignment after the due date & time. However, 10% marks will be deducted for every passing hour after the due time. Copying/Cheating whole or part of the assignment from anywhere without proper credit/references will not be tolerated. Whether you have copied or your work has been copied by someone else, you will get zero marks in that assignment.

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Arid Agriculture

**Exercise 1:** Why the following Windows are used in Visual Studio

1. ToolBox Window
2. Solution Explorer
3. Property Windows
4. Output Window
5. Error List
6. Server Explorer

**Exercise 2:** Why the following controls are used? Define important properties of each of the following controls

1. ToolTip
2. ProgressBar
3. NumericUpDown
4. LinkLabel
5. Timer
6. Color Dialog
7. VScrollBar
8. HScrollBar

**Exercise 3:** Why the following C# controls are used, discuss their properties

1. Panel
2. FlowLayoutPanel
3. GroupBox
4. SplitPanel
5. TabControl
6. TableLayoutPanel

What is the correct way to declare a variable to store an integer value in C#?

1. int 1x=10;
2. int x=10;
3. float x=10.0f;
4. string x="10";

Choose the answer letter: c Incorrect choice!

**Exercise 7:** Write C# code to print the following pattern:

1\*\*\*\*\*\*

12\*\*\*\*\*

123\*\*\*\*

1234\*\*\*

12345\*\*

123456\*

1234567

**Exercise 8:** By using the sequential search algorithm, write C# code to search for an element of an integer array of 10 elements.

**Exercise 9:** By using C# objected-oriented concept, create a list using GENERICS. Provide all functionalities as shown in figure.

