Date: 10-08-2022
Branch: B.Tech. (CE/IT)
Subject Name: Enterprise Computing Through .NET Frameworks   **Subject code: CE525**
Time: 1 Hour & 30 Minutes   **Total Marks: 20**

Instructions:

1. Read the task description & other details carefully and implement the solution.
2. This assessment is intended to test the hands on skills related to different topics in this subject.
3. **You have been provided with SuppliedFiles folder that contains project files and Expected_UI Screen. Download and extract the SuppliedFiles folder into your local drive folder named as your "EnrollmentNo".**
4. Manipulate or create project files as per the tasks provided to you in this question paper.
5. Once all the tasks are implemented, kindly submit the **"EnrollmentNo.zip"** file of your project with database
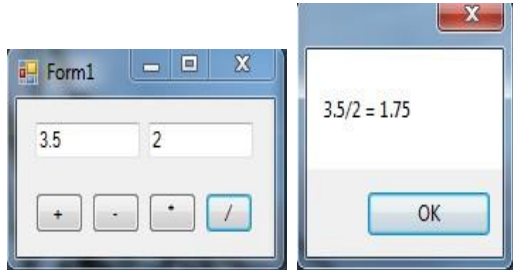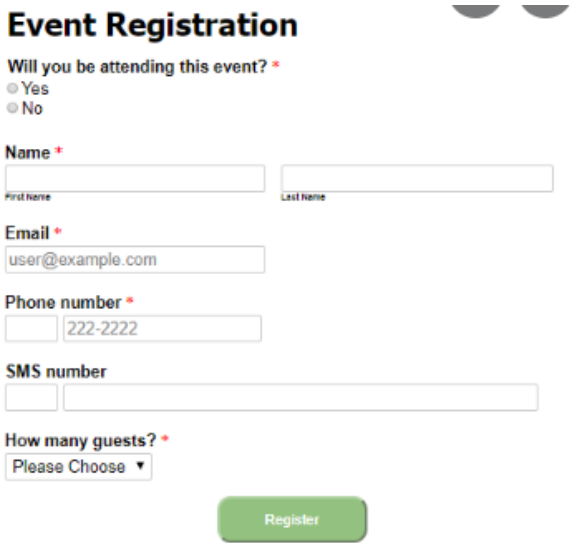6. **Write comments for all logic or code written by you (compulsory).**

Problem Description

The tasks to be implemented are given along with the expected UI screens/other information. All modifications or addition must be incorporated as per the task description provided in the table under the "Tasks Description" section. The expected UI screen/other information column should be used as your reference. Each task carries mentioned marks**. Write comments for all logic or code written by you (compulsory).**

LIST OF TASKS

Modify or create files to reflect the following tasks			
Tak ID	**Tasks Description**	**Max Marks**	**Expected UI Screen / Other Information**
Task_1	Write the missing code in the given file "BinToDecimal.cs" code to generate the following output. **Expected Output:** Enter a binary number: 0111 Decimal number: 7	**02**	Refer "CSFiles" folder.
Task_2	Rearrange the given code given in "ReverseArray.cs" file to correct the program. The resultant program will be to enter 5 elements into an array and store and print the array in reverse order. **Expected output:** Enter numbers : Element[1]: 10 Element[2]: 20 Element[3]: 30 Element[4]: 40 Element[5]: 50	**02**	Refer "CSFiles" folder.

	Reverse elements : Element[1]: 50 Element[2]: 40 Element[3]: 30 Element[4]: 20 Element[5]: 10		
Task_3	Write Square( ) method into "OutDemo.cs" file and also call into main method to get following output. **Expected output:** 100 10000	**02**	Refer "CSFiles" folder.
Task_4	Complete the code in "MultiLeveInheritance.cs" file to implement multilevel inheritance by following the below figure. Accept and display data for one student. Class student Data Members : Roll_no , name Class Test Data Members : marks1 , marks2 Class Result Data Members : total	**04**	Refer "CSFiles" folder.
Task_5	Design a form like below. Implement following functionality to the application. ListBox1 Fill Sort Clear Count Remove Items Display total items Your Selection • Fill button click fill up the list box with items. • Count button click retrieve Total no of Items in List box • Sort button click will arrange the List Items in Ascending order • Clear Button will clear all the items from List Box	**02**	Refer "EventApp" – Windows Application Project.

	• Remove Items button will remove the selected item from ListBox		
Task_6	Design and write code for the following.	**02**	Refer "EventApp" – Windows Application Project.
Task_7	Create a Database table for the Task_8 form with the required columns.	**02**	Refer "EventApp" – Windows Application Project.
Task_8	Design a form as per following. Write code for Register button to insert record into a table designed in above task.	**04**	Refer "EventApp" – Windows Application Project.