**Cyber Security Center**

**Logic Development Program**

**C# Design Pattern (OOP** → **Part – 1)**

***(Write Code and Snap Shot of output)***

| SL | Questions |
| --- | --- |
| 1. | Create a class with the name of “FavouriteTeacher”  Where you have to keep few fields such as  1. TeacherName (String)  2. TeacherID (integer)  3. TeacherHeight (float)  4. TeacherFavouriteColor (string)  5. IsTeacherAnnoyed (boolean)  Keep few methods  1. PrintTeacherName()  2. PrintTeacherID()  3. PrintTeacherHeight()  4. Print TeacherFavouriteColor()  5. PrintIsTeacherAnnoyed()  Now initialize the “FavouriteTeacher” class from Main function. And populate data. Then call the functions to print data. |
| 2. | Suppose you are a fruit shop owner. Now,  Create a class with the name of “Fruit”  Where you have to keep few fields such as  1. FruitName (string)  2. FruitColor(string)  3. NumberOfFruit (int)  Keep few methods in this class:  1. AddFruitNumber(int number)  2. RemoveFruit(int number)  Task:  1. Initialize the fruit class for Mango.  2. Add 5 mangoes for Mango Class.  3. Initialize the fruit class 2nd time for Banana.  4. Add 3 bananas for Banana Class.  5. Remove 3 mangoes from Mangoes class.  6. Remove 2 bananas from Banana class.  7. Print all data of Mangoes.  8. Print all data for Bananans. |