C# Assignment

Assignment:1

Write a C# program which satisfies below requirements

1. Create a class called Employee
   * It has three private properties called Id, Name, DepartmentName
   * Its constructor should accept all of these three properties while creating object.
   * It should have three methods which individually returns above properties (i.e. GetId(), GetName(), GetDepartmentName())
2. Create a Program who accepts details from user
   * It should ask user for Id, Name, DepartmentName
   * After getting details from user create object of Employee class with provided details.
   * After creating object print all three properties one by one using above created methods.
3. Create an event in Employee Class which is fired when any of the class’ method is being called and outputs message (i.e. “GetName() method called”)]
4. Create 3 overloaded methods which allows updating any of the Employee property (Id, Name, DepartmentName)

Assignment:2

Write a program that covers the concept of Abstract class, Inheritance, and polymorphism.

1. There will be an abstract class of Employee which have multiple properties such as Id, Name, Designation, Experience, Annual salary, joining date.
2. Create a new class for HR and Developer.
3. The Salary calculation for HR and Developer will be different. Formula of salary will be as followed.
4. HR and Employee will both get basic salary, but HR will get additional amount (1000\*exp years) & Dev will get additional amount (2000\*exp years)

Output: Create a new object for HR and Developer and print the Salary of HR and developer.      Suppose that

HR have 8000/-RS as basic salary and having 4 year exp.

Developer have 8000/-RS basic salary and having 5 year exp.