C# Lab – Day4:

**Note: use classes designed in Day 3**

1. **Regarding class Point**
2. In your main program, create an array of Point class
3. Modify Point class to implement IComparable
4. Sort you array of Points
5. Implement IClonable interface
6. **Regarding class Employee & Trainee**
7. Design an interface IPayable that contains:

* Salary Property
* ShowPayment() that display the salary

1. Make Employee & Trainee implement IPayable

Try to implement IComparer interface to class Trainee

1. **Design a new class PhoneBook, such that the following code is valid:**

*PhoneBook phoneBook = new PhoneBook();*

*phonebook[123] = “Ali”;*

*phonebook[“Hosam”] = 456;*

*int phone = phonebook[“Ali”]*