

Write a C# program for the following scenario:

A Home Moving service provider used to provide customer service by so called telephone orders but now they want to move towards a software system and thinking so they came to you. The partial requirement is kind of following.

Employee class has an *id*, *name* and *address* and a method called **ShowInfo** which will show all the information for a particular Employee(**Laborer/Manager**). There are 2 types of employee in the system i) **Laborer** ii) **Manager**. Laborer class has 3 additional fields named *userRating* (0-100%), *chargePerService* which is fixed 500 BDT per laborer and *noOfServices*. Manager class has one additional field *yearsOfExperience* (in years).

A method called **EmployeeStatus** in Employee class will calculate the eligibility of bonus for different type of employees. For laborer anyone will be eligible for bonus when s/he has *userRating* upper than 70% with atleast 10 *noOfServices*. A manager is eligible for bonus when his/her *yearsOfExperience* become higher than 2 years. A method called **TotalEarn** in Laborer class will calculate the total earn of a laborer. Now when the system invokes **ShowInfo** method for a particular employee it will show the usual information as well as whether the employee is eligible for bonus. Also for laborer it will show the total earnings.

There is a class called **ServiceProvider** which will contain the information of every employee. From there **ProvideDetails** Method will print the information of every employee. Also a Method called **SkilledWorker** will find all laborer having *userRating* more than 80%.

*[There is a specific format for both Laborer's and Manager's id. For Laborer it's PL-XXX and Manager its PM-XX. The id number needs to be auto generating. For both start the value of id from 1.]***This Part is optional**

The Main method is given below for you. Your job is to implement the classes along with the relationships.

```
class Program
{
    private static void Main(string[] args)
    {
        ServiceProvider.Inset(new Manager("PM-01", "Shuvo", "Uttara", 5));
        ServiceProvider.Inset(new Manager("PM-02", "Jahid", "Badda", 1));
        ServiceProvider.Inset(new Laborer("PL-001", "Sohan", "Mirpur", 85, 20));
        ServiceProvider.Inset(new Laborer("PL-002", "Jisan", "Kuril", 65, 44));
        ServiceProvider.Inset(new Laborer("PL-003", "Numan", "Banani", 88, 3));
        //Manager(id,name,address,yearsOfExperience)
        //Laborer(id,name,address,userrating,noOfServices)
        ServiceProvider.ProvideDetails();
        ServiceProvider.SkilledWorker();
    }
}
```