

Day 2
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[EmployeeDetails.cs](#)

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day2_Daily_task.Repo
{
    internal class EmployeeDetails<T> : IEmployeeetails<T>
    {
        List<T> emplist = new List<T>();
        public void Add(T employee)
        {
            emplist.Add(employee);
        }

        public List<T> GetAllEmployees()
        {
            return emplist;
        }
    }
}
```

[IEmployeeetails.cs](#)

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day2_Daily_task.Repo
{
    internal interface IEmployeeetails<T>
    {
        List<T> GetAllEmployees();
        void Add( T employee);
    }
}
```

[EmployeeList.cs](#)

```
using System;
using System.Collections.Generic;
using System.Diagnostics;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day2_Daily_task
{
    internal class EmployeeList : Employee
    {
        public EmployeeList(int Id, string Name, string Designation) : base(Id, Name,
Designation)
        {
        }

        public override string GetDetails()
        {
            string details = string.Format("Id: {0}, Name: {1}, Designation: {2}", Id,
Name,Designation);
            return details;
        }
    }
}
```

[Employee.cs](#)

```
using System;
using System.Collections.Generic;
using System.Diagnostics;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Day2_Daily_task
{
    abstract class Employee
    {
        public int Id { get; set; }
        public string Name { get; set; }
        public string Designation { get; set; }
        public Employee(int id, string name, string designation)
        {
            Id = id;
        }
    }
}
```

```

        Name = name;
        Designation = designation;
    }
    public abstract string GetDetails();
}
}

```

[Program.cs](#)

```

using Day2_Daily_task;

namespace Day2_Daily_task.Repo
{
    class Program
    {
        static void Main(String[] args)
        {
            EmployeeList manager = new EmployeeList(1, "Ramu", "Manager");
            EmployeeList developer = new EmployeeList(2, "Raju", "Developer");
            EmployeeList BA = new EmployeeList(4, "Nancy", "BA");
            EmployeeList UI = new EmployeeList(3, "Ragu", "UI");

            IEmployeeedetails<EmployeeList> repo=new EmployeeDetails<EmployeeList>();
            repo.Add(manager);
            repo.Add(developer);
            repo.Add(UI);
            repo.Add(BA);
            foreach (EmployeeList emplist in repo.GetAllEmployees()) {
                Console.WriteLine(emplist.GetDetails());
            }
        }
    }
}

```

Output:

```

Id: 1, Name: Ramu, Designation: Manager
Id: 2, Name: Raju, Designation: Developer
Id: 3, Name: Ragu, Designation: UI
Id: 4, Name: Nancy, Designation: BA

```