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Task 1

CODING:
Program.cs

```
using EmployeeData.Repo;

namespace EmployeeData;

class Program
{
    static void Main(string[] args)
    {

        var employeeRepo = new EmployeeRepo<Employee>();

        var jemp1 = new JuniorEmployee("Karnish","IT", 1.2f, 42_000.0f);
        var jemp2 = new JuniorEmployee("Logesh","HR", 2.9f, 38_500.5f);
        var jemp3 = new JuniorEmployee("Yuraj", "Finance", 2.7f, 41_200.75f);

        var semp1 = new JuniorEmployee("Vishnu","IT", 2.9f, 55_000.0f);
        var semp2 = new JuniorEmployee("Vijay","Marketing", 3.5f, 52_300.0f);
        var semp3 = new JuniorEmployee("Narender","Operations", 4.8f, 50_750.25f);

        employeeRepo.Add(jemp1);
        employeeRepo.Add(jemp2);
        employeeRepo.Add(jemp3);
        employeeRepo.Add(sem1);
        employeeRepo.Add(sem2);
        employeeRepo.Add(sem3);

        var allEmployees = employeeRepo.GetAllEmployee();

        Console.WriteLine("_____");
        foreach (var emp in allEmployees)
        {
            Console.WriteLine(emp.GetInfo());
        }
    }
}
```

Employee.css

```
using System;
```

```

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

namespace EmployeeData
{
    internal class Employee
    {
        public string Name { get; set; }
        public int Id { get; set; }
        public string Department { get; set; }

        public Employee(string Name, string Department)
        {
            this.Name = Name;

            this.Department = Department;
        }

        public virtual string GetInfo()
        {
            return $"Employee Name: {Name} \nDepartment: {Department}";
        }
    }
}

```

JuinatorEmployee.cs:

```

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

namespace EmployeeData
{
    internal class JuniorEmployee : Employee
    {
        public float Experience { get; set; }
        public float Salary { get; set; }

        public JuniorEmployee(string Name, string Department, float Experience, float Salary) :
        base(Name, Department)
        {
            this.Experience = Experience;
            this.Salary = Salary;
        }
    }
}

```

```

    }

    public override string GetInfo()
    {
        return base.GetInfo() + $" \nExperience: {Experience} years \nSalary: {Salary} USD";
    }
}

```

SeinorEmployee.css

```

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

namespace EmployeeData
{
    internal class SeniorEmployee : Employee
    {
        public float Experience { get; set; }
        public float Salary { get; set; }

        public SeniorEmployee(string Name, string Department, float Experience, float Salary) :
        base(Name , Department)
        {
            this.Experience = Experience;
            this.Salary = Salary;
        }

        public override string GetInfo()
        {
            return base.GetInfo() + $" \nExperience: {Experience} years \nSalary: {Salary} USD";
        }
    }
}

```

Repo

Employee.cs:

```

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

namespace EmployeeData.Repo
{
    internal class EmployeeRepo<T> : IEmployeeRepo<T>

```

```

{
    List<T> ListEmployees = new List<T>();

    public void Add(T employee)
    {
        ListEmployees.Add(employee);
    }

    public List<T> GetAllEmployee()
    {
        return ListEmployees;
    }
}

```

IEmployeeRepo.cs:

```

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

namespace EmployeeData.Repo
{
    internal interface IEmployeeRepo<T>
    {
        List<T> GetAllEmployee();
        void Add(T employee);
    }
}

```

OUTPUT:

Employee Name: Karnish
Department: IT
Experience: 1.2 years
Salary: 42000 USD

Employee Name: Logesh
Department: HR
Experience: 2.9 years
Salary: 38500.5 USD

Employee Name: Yuraj
Department: Finance
Experience: 2.7 years
Salary: 41200.75 USD

Employee Name: Vishnu
Department: IT
Experience: 2.9 years
Salary: 55000 USD

Employee Name: Vijay
Department: Marketing
Experience: 3.5 years
Salary: 52300 USD

Employee Name: Narender
Department: Operations
Experience: 4.8 years
Salary: 50750.25 USD