

Milestone Assessment – 1

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

namespace CollegeMembers
{
    class DataDetails
    {
        private int id;
        private string name;
        private int age;
        private string address;
        public int Id { get => id; set => id = value; }
        public string Name { get => name; set => name = value; }
        public int Age { get => age; set => age = value; }
        public string Address { get => address; set => address = value; }

        public DataDetails()
        {

        }

    }

    public DataDetails(int Id, string Name, int Age, string Address)
    {
        this.Id = Id;
        this.Name = Name;
        this.Age = Age;
        this.Address = Address;

    }

    public override string ToString()
    {
        return base.ToString();
    }
}

class Staff : DataDetails
{
    private string departmentName;
```

```
public string DepartmentName { get => departmentName; set => departmentName = value; }
```

```
public Staff() { }
```

```
public Staff(int Id, string Name, int Age, string Address, string DepartmentName)
{
    base.Id = Id;
    base.Name = Name;
    base.Age = Age;
    base.Address = Address;
    this.DepartmentName = DepartmentName;
}
```

```
public override string ToString()
{
    return base.Id + " " + base.Name + " " + base.Age + " " + base.Address + " " + this.DepartmentName;
}
Staff staff = new Staff();
public string CreateStaff(int age, string name, string departmentName)
{
    staff.Age = age;
    staff.Name = name;
    staff.DepartmentName = departmentName;
```

```
    return "Staff inserted successfully";
}
/* public Student ReadStudent(int age)
{
    if (staff.Age.Equals(age))
    {
        return staff;
    }
    return null;
}*/
```

```
}
```

```
class Student : DataDetails
{
    private string course;
```

```
public string Course { get => course; set => course = value; }
```

```
public Student() { }
```

```

public Student(int Id, string Name, int Age, string Address, string Course)
{
    base.Id = Id;
    base.Name = Name;
    base.Age = Age;
    base.Address = Address;
    this.Course = Course;
}

```

```

public override string ToString()
{
    return base.Id + " " + base.Name + " " + base.Age + " " + base.Address + " " + this.Course;
}

```

```

Student stu = new Student();
public string CreateStudent(int id, string name, int age)
{
    stu.Id = id;
    stu.Name = name;
    stu.Age = age;

```

```

    return "Student inserted successfully";
}
public Student ReadStudent(int id)
{
    if (stu.Id.Equals(id))
    {
        return stu;
    }
    return null;
}
}

```

```

class Program
{
    static void Main(string[] args)
    {
        Student student1 = new Student(1001, "Dhivya", 21, "Tamilnadu", "Bsc");
        Student student2 = new Student(1002, "Chinnu", 21, "Tamilnadu", "B.E");
        Student student3 = new Student(1003, "logu", 23, "Tamilnadu", "Btech");
        Student student4 = new Student(1004, "Malar", 24, "Banglore", "B.E");

        Staff staff1 = new Staff(100, " suresh", 45, "Chilamakur", "Computerscience");
        Staff staff2 = new Staff(102, " Vijay", 38, "Ramapur", "Zoology");
    }
}

```

