

- Source codes for the Project
- Source code in Student.cs under NUnitndMoqPrjtLib

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

namespace NUnitndMoqPrjtLib
{
    public class Student
    {
        public int Id { get; set; }

        public string Name { get; set; }

        public string Address { get; set; }

        public string Email { get; set; }

        public string Class { get; set; }
    }
}
```

- Source code in Subject.cs under NUnitndMoqPrjtLib

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

namespace NUnitndMoqPrjtLib
{
    public class Subject
    {
        public int Id { get; set; }

        public string Name { get; set; }

        public string Address { get; set; }

        public string Email { get; set; }

        public string Class { get; set; }
    }
}
```

- Source code in Teacher.cs under NUnitndMoqPrjtLib

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

namespace NUnitndMoqPrjtLib
{
    public class Teacher
    {
        public int Id { get; set; }

        public string Name { get; set; }
    }
}
```

- Source code in StudentTests.s under NUnitTestPrjt

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

namespace NUnitTestPrjt
{
    public class StudentTests
    {
        [Test]
        public void TestStudentName()
        {
            // Arrange
            Student student = new Student();
            student.Name = "Masudha";

            // Act
            string studentName = student.Name;

            // Assert
            Assert.AreEqual("Masudha", studentName);
        }

        [Test]
        public void TestStudentAddress()
        {
            // Arrange
            Student student = new Student();
            student.Address = "123 Main St";

            // Act
            string studentAddress = student.Address;

            // Assert
            Assert.AreEqual("123 Main St", studentAddress);
        }
    }
}
```

- Source code in SubjectTests.cs under NUnitTestPrjt

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

namespace NUnitTestPrjt
{
    public class SubjectTests
    {
        [Test]
        public void TestSubjectName()
        {
            // Arrange
            Subject subject = new Subject();
            subject.Name = "Science";

            // Act
            string subjectName = subject.Name;

            // Assert
            Assert.AreEqual("Science", subjectName);
        }

        [Test]
        public void TestSubjectId()
        {
            // Arrange
            Subject subject = new Subject();
            subject.Id = 2;

            // Act
            int subjectId = subject.Id;

            // Assert
            Assert.AreEqual(2, subjectId);
        }
    }
}
```

- Source code in TeacherTests.cs under NUnitTestPrjt

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

namespace NUnitTestPrjt
{
    [TestFixture]
    public class TeacherTest
    {
        [Test]
        public void TestTeacherName()
        {
            // Arrange
            Teacher myTeacher = new Teacher();
            myTeacher.Name = "Ravi Kumar";

            // Act
            string teacherName = myTeacher.Name;

            // Assert
            Assert.AreEqual("Ravi Kumar", teacherName);
        }

        [Test]
        public void TestClassId()
        {
            // Arrange
            Teacher myTeacher = new Teacher();
            myTeacher.Id = 1;

            // Act
            int tecaherId = myTeacher.Id;

            // Assert
            Assert.AreEqual(1, tecaherId);
        }
    }
}
```

- Source code in UnitTest1.cs under NUnitTestPjrt

```
namespace NUnitTestPjrt
{
    public class Tests
    {
        [SetUp]
        public void Setup()
        {
        }

        [Test]
        public void Test1()
        {
            Assert.Pass();
        }
    }
}
```

- Source code in Using.cs

```
global using NUnit.Framework;
```