

```

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

namespace RainbowSchoolLib
{
    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; }
    }
}

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

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

        public string Name { get; set; }
    }
}

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

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

        public string Name { get; set; }
    }
}

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

```

```

namespace NUnitTestProj
{
    [TestFixture]
    public class StudentTests
    {
        [Test]
        public void TestStudentName()
        {
            // Arrange
            Student student = new Student();
            student.Name = "John Doe";

            // Act
            string studentName = student.Name;

            // Assert
            Assert.AreEqual("John Doe", 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);
        }
    }
}

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

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

            // Act
            string teacherName = myTeacher.Name;

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

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    }

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

        // Act
        int tecaHerId = myTeacher.Id;

        // Assert
        Assert.AreEqual(1, tecaHerId);
    }
}

using System;
using System.Collections.Generic;
using System.Linq;
using System.Security.Claims;
using System.Text;
using System.Threading.Tasks;
using NUnit.Framework;
using RainbowSchoolLib;

namespace NUnitTestProj
{
    [TestFixture]
    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);
        }
    }
}

```

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    }  
}  
namespace NUnitTestProj  
{  
    public class Tests  
    {  
        [SetUp]  
        public void Setup()  
        {  
        }  
  
        [Test]  
        public void Test1()  
        {  
            Assert.Pass();  
        }  
    }  
}
```