**PHASE 4 – Customer Support Logger**

**Section 1. [ Use NUnit and Moq to Test an OOP Based System for Storing School Data ]**

**OOP Class Library**

1. **Student.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace oop\_class

{

public class student

{

public int student\_id { get; set; }

public string student\_name { get; set; }

}

}

**2. Subject.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace oop\_class

{

public class subject

{

public int subject\_id { get; set; }

public string subject\_name { get; set; }

public int subject\_marks { get; set; }

}

}

**3. Teacher.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace oop\_class

{

public class teacher

{

public int teacher\_id { get; set; }

public string teacher\_name { get; set; }

}

}

**OOP Class Test Library**

1. **ClassTest.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using oop\_class;

using NUnit.Framework;

namespace oop\_class\_test

{

[TestFixture]

public class Class\_test

{

/// </summary>

[TestCase]

public void test\_student()

{

student s = new student();

s.student\_id = 101;

s.student\_name = "Pratibha";

Assert.AreEqual(s.student\_id, 101);

}

[TestCase]

public void test\_subject()

{

subject s = new subject();

s.subject\_id = 111;

s.subject\_name = "physics";

s.subject\_marks = 100;

Assert.AreEqual(s.subject\_marks, 100);

}

[TestCase]

public void test\_teacher()

{

teacher s = new teacher();

s.teacher\_id = 123;

s.teacher\_name = "Aditya";

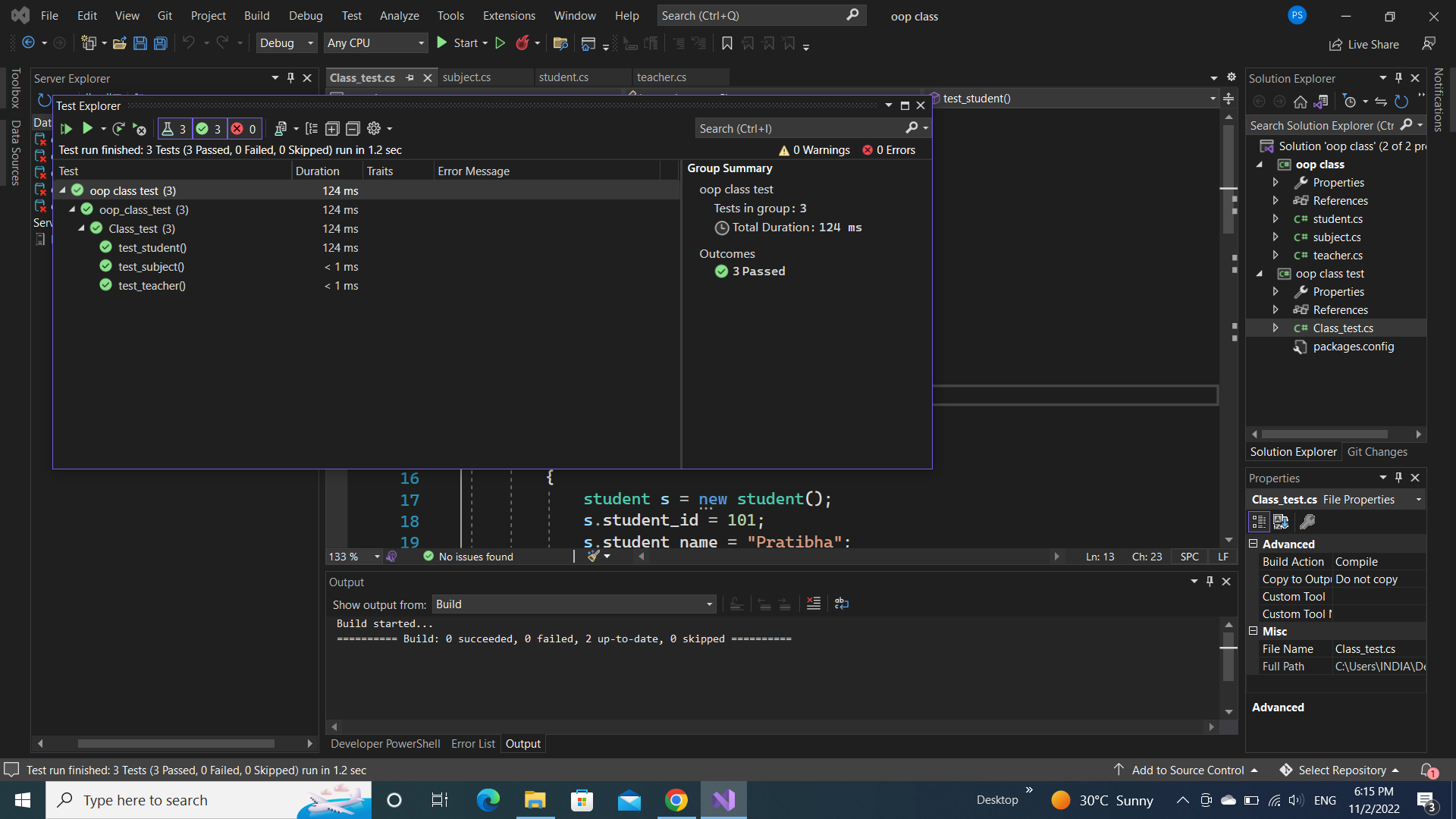
Assert.AreEqual(s.teacher\_name, "Aditya");

}

}

}

**Output:**

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