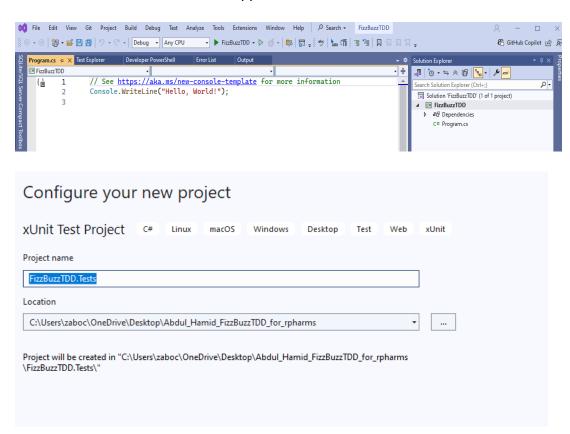
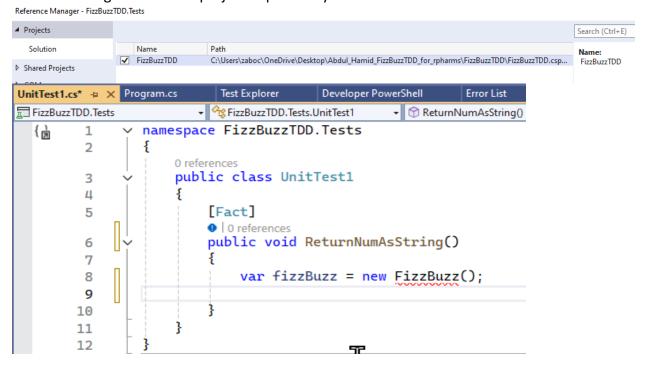
Walkthrough of FizzBuzzTDD - Abdul Hamid

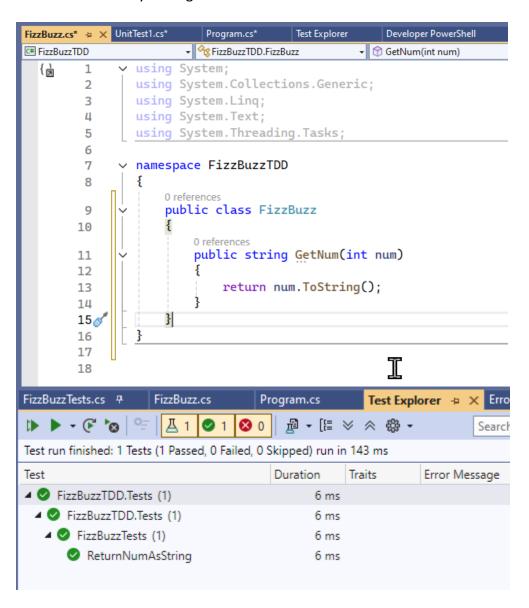
1. Created new default console app in visual studio vs2022



2. First failing test + added project dependency

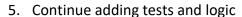


3. Fixed by adding class and method

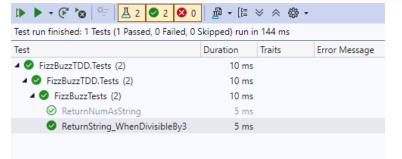


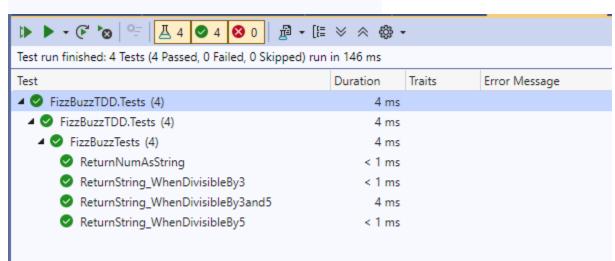
4. Introduce iteration for numbers to 100

```
using FizzBuzzTDD;
 1
 2
          var fizzBuzz = new FizzBuzz();
 3
 4
          for (int i = 1; i \le 100; i++)
 5
 6
               string output = fizzBuzz.GetNum(i);
 7
               Console.WriteLine(output);
 80
 9
          Console.ReadLine();
10
11
12
    C:\Users\zaboc\OneDrive\Desktop\Abdul_Hamid_FizzBuzzTDD_for_rpharms\FizzBuzzTI
   1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
```









Walkthrough of FizzBuzzTDD - Abdul Hamid

6. Improving test suite

```
11
      [Fact]
//
      public void ReturnString_WhenDivisibleBy3and5()
//
//
         var fizzBuzz = new FizzBuzz();
         string result = fizzBuzz.GetNum(15);
//
//
        Assert.Equal("FizzBuzz", result);
//
     }
    [Theory]
   [InlineData(1, "1")]
   [InlineData(3, "Fizz")]
    [InlineData(5, "Buzz")]
   [InlineData(45, "FizzBuzz")]
    [InlineData(98, "98")]
   0 references
    public void GetNum_ReturnsCorrectFizzBuzzOutput(int input, string expected)
       var fizzBuzz = new FizzBuzz();
        string result = fizzBuzz.GetNum(input);
       Assert.Equal(expected, result);
```

lest	Duration	Iraits	E
▲ ❷ FizzBuzzTDD.Tests (5)	3 ms		
▲ SizzBuzzTDD.Tests (5)	3 ms		
	3 ms		
■ GetNum_ReturnsCorrectFizzBuzzOutput (5)	3 ms		
GetNum_ReturnsCorrectFizzBuzzOutput(input: 1, expected: "1")	< 1 ms		
GetNum_ReturnsCorrectFizzBuzzOutput(input: 3, expected: "Fizz")	3 ms		
GetNum_ReturnsCorrectFizzBuzzOutput(input: 45, expected: "FizzBuzz")	< 1 ms		
GetNum_ReturnsCorrectFizzBuzzOutput(input: 5, expected: "Buzz")	< 1 ms		
GetNum_ReturnsCorrectFizzBuzzOutput(input: 98, expected: "98")	< 1 ms		

7. Final refactor for layout:

```
using FizzBuzzTDD;

var fizzBuzz = new FizzBuzz();

for (int i = 1; i <= 100; i++)
{
    string output = fizzBuzz.GetNum(i);
    CenterText(output);
}

Console.ReadLine();

1 reference
    static void CenterText(string text)
{
    int textWidth = text.Length;
    int leftPadding = (Console.WindowWidth - textWidth) / 2;

    if (leftPadding > 0)
    {
        Console.WriteLine(new string(' ', leftPadding) + text);
    }
}
```

```
boc\OneDrive\Desktop\Abdul\_Hamid\_FizzBuzzTDD\_for\_rpharms\FizzBuzzTDD\bin\Debug\net9.0\FizzBuzzTDD.exe
                                                        Fizz
                                                        Buzz
                                                        Fizz
                                                        Fizz
                                                        Buzz
                                                        11
                                                        Fizz
                                                        13
                                                         14
                                                     FizzBuzz
                                                         16
                                                         17
                                                        Fizz
                                                         19
                                                        Buzz
                                                        Fizz
                                                        Fizz
                                                        Buzz
                                                         26
                                                        Fizz
                                                         28
                                                         29
                                                     FizzBuzz
```