

Testing Your Code



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Unit Testing



Unit Testing



Verify



Investigate

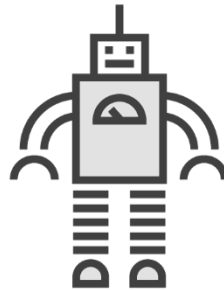
```
public void ShowStatistics()
{
    var result = 0.0;
    var highGrade = double.MinValue;
    var lowGrade = double.MaxValue;

    foreach(var number in grades)
    {
        lowGrade = Math.Min(number, lowGrade);
        highGrade = Math.Max(number, highGrade);
        result += number;
    }
    result /= grades.Count;
    Console.WriteLine($"The lowest grade is {lowGrade}");
    Console.WriteLine($"The highest grade is {highGrade}");
    Console.WriteLine($"The average grade is {result:M1}");
}
```

Small Units of Code



Test Runner



Automation



xUnit.net



Summary



```
class Book
{
    public Book(string name) ...

    public void AddGrade(double grade) ...

    public void ShowStatistics() ...

    private List<double> grades;
    private string name;
}
```