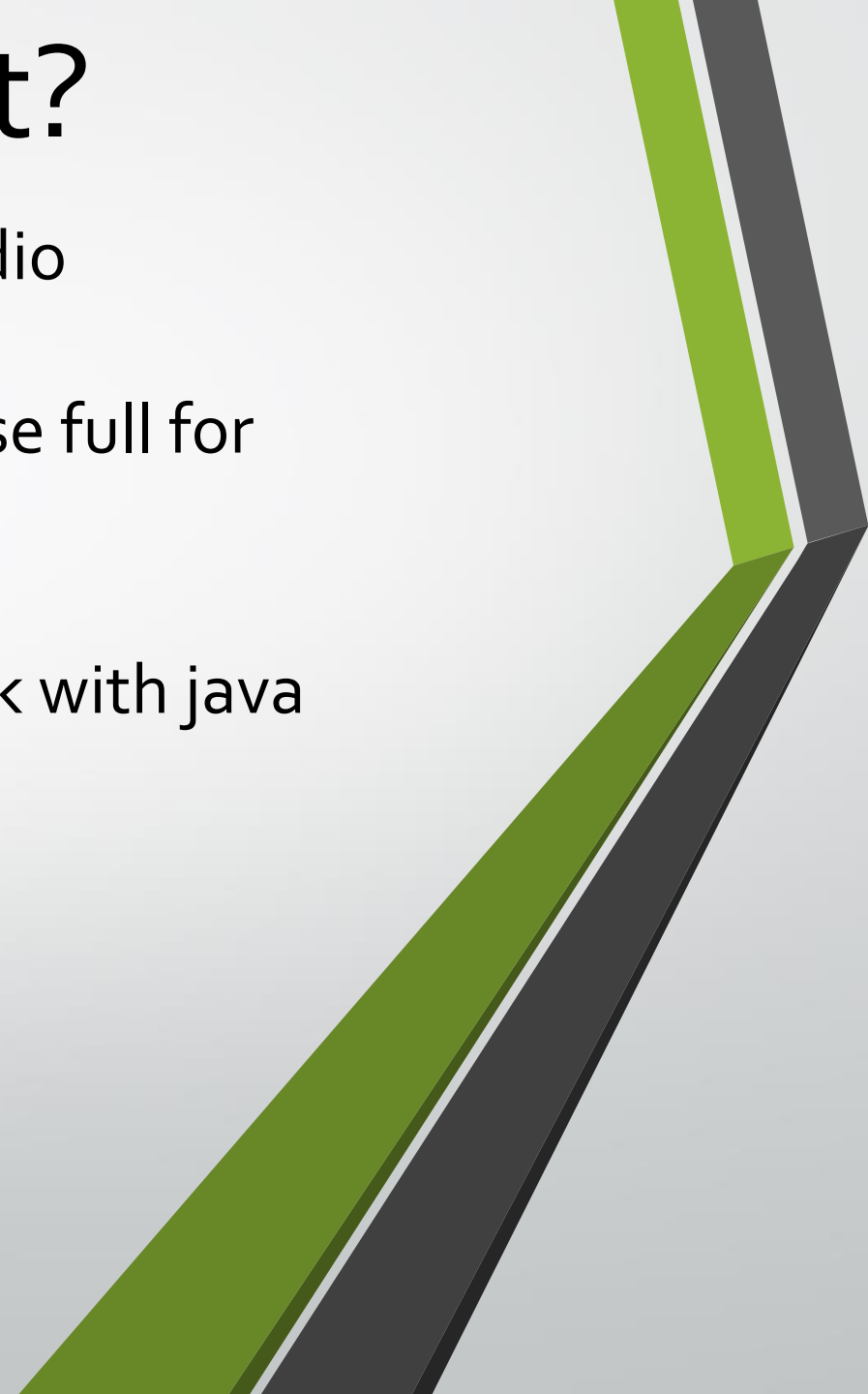# MsTest

What is MsTest?

- Its an utility for running the unit test in Visual Studio

- MsTest Provide lot of attributes, which are very use full for writing the test.

- It is similar to Testng, which is a testing framework with java language binding

MsTest Attributes

- *[TestClass] :-* This attribute is used to declare a class as test class

- *[TestMethod] :-* This attribute is used to declare a methods as test methods.

- *[TestInitialize] :-* The methods with this attribute will execute before the execution of TestMethod. If there are multiple TestMethods, then this also will get execute multiple times.

- *[TestCleanup] :-* The methods with this attribute will execute after the execution of TestMethod. If there are multiple TestMethods, then this also will get execute multiple times

MsTest Attributes

- **[ClassInitialize] :-** The methods with this attribute will execute before executing any of test methods present in the class. And it will execute only once even there are multiple test methods

- **[ClassCleanup] :-** The methods with this attribute will execute after the last test methods execution in the class. And it will execute only once even there are multiple test methods

- **[AssemblyInitialize] :-** The methods with this attribute will execute before the execution of any method in the assembly. And it will execute only once.

- **[AssemblyCleanup] :-** The methods with this attribute will execute at last. And it will execute only once

MsTest Attributes

- *[TestCategory("<Name>")] :-* This attribute is used for grouping purpose. The attribute take the name of the group as argument.

- *[Ignore] :-* To skip the execution of test method