

TestNG

TESTNG

DataProvider in TestNG

TestNG: Test Execution Engine

- **Data Provider** : Data Provider is used to supply Test Data to Test Case.
- Data Provider is annotation in TestNG, which attach with a method that returns the data set in the form of two dimensional object array `Object[][]`.
- The first array represents a data set whereas the second array contains the parameter values.
- Data Provider is key of Data Driven Testing Frameworks.
- The `DataProvider` method can be in the **same test class or one of its super classes**. It is also possible to provide `DataProvider` in another class but then the method has to be **static**.

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- User can also provide a name to it using the **name attribute** of the `DataProvider` annotation but this is optional. If one hasn't provided the name, name of the method will be used to refer to it.
- **Data Provider with `ITestContext` :**
- User can use **`ITestContext`** to determine what runtime parameters the current test method was invoked with.
- With **`ITestContext`** user can decide the Test Data for various level/type of Tests.

Will see you in Next Lecture...

Thank you!

A close-up photograph of a hand holding a black marker, completing the word 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the index finger and thumb visible, holding the marker. The marker is black with a silver band. The text 'Thank you!' is written in a fluid, cursive style, with the exclamation mark being the final stroke. The background is a plain, light-colored surface.

See you in next lecture ...