**Annotations in TestNG:** Annotations were formally added to the Java language in JDK 5 and TestNG made the choice to use annotations to annotate test classes. Following are some of the benefits of using annotations. More about TestNG can be foundhere.

* TestNG identifies the methods it is interested in by looking up annotations. Hence, method names are not restricted to any pattern or format.
* We can pass additional parameters to annotations.
* Annotations are strongly typed, so the compiler will flag any mistakes right away.
* Test classes no longer need to extend anything (such as Test Case, for JUnit 3).

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| **Annotation** | **Description** |
| **@BeforeSuite** | The annotated method will be run only once before all the tests in this suite have run. |
| **@AfterSuite** | The annotated method will be run only once after all the tests in this suite have run. |
| **@BeforeClass** | The annotated method will be run only once before the first test method in the current class is invoked. |
| **@AfterClass** | The annotated method will be run only once after all the test methods in the current class have run. |
| **@BeforeTest** | The annotated method will be run before any test method belonging to the classes inside the <test> tag is run. |
| **@AfterTest** | The annotated method will be run after all the test methods belonging to the classes inside the <test> tag have run. |
| **@BeforeGroups** | The list of groups that this configuration method will run before. This method is guaranteed to run shortly before the first test method that belongs to any of these groups is invoked. |
| **@AfterGroups** | The list of groups that this configuration method will run after. This method is guaranteed to run shortly after the last test method that belongs to any of these groups is invoked. |
| **@BeforeMethod** | The annotated method will be run before each test method. |
| **@AfterMethod** | The annotated method will be run after each test method. |
| **@DataProvider** | Marks a method as supplying data for a test method. The annotated method must return an Object [ ][ ] where each Object[ ] can be assigned the parameter list of the test method. The @Test method that wants to receive data from this Data Provider needs to use a data Provider name equals to the name of this annotation. |
| **@Factory** | Marks a method as a factory that returns objects that will be used by TestNG as Test classes. The method must return Object [ ]. |
| **@Listeners** | Defines listeners on a test class. |
| **@Parameters** | Describes how to pass parameters to a @Test method. |
| **@Test** | Marks a class or a method as part of the test. |