

1. You are given a project to implement @Test and other related annotations

Step 1: Creating a simple Java project

- Open Eclipse.
- Go to the **File** menu and select **New->Java Project**.
- Enter the project name as **Annotations**. Click on **Next**.
- This will create the project files in the Project Explorer.

Step 2: Installing TestNG

- TestNG is already installed in your Practice labs. To learn about its directory details you can refer to the lab guide for Phase 2.

Step 3: Adding TestNG libraries to the Class Path

- In the **Project Explorer**, right-click on **Annotations**.
- Select **Properties**. Select **Java Build Path** from the list. Go to **Libraries**.
- Click on **Add Library**. Select **TestNG**. Click on **Next**. Now, click on **Finish**.
- Finally, click on **Apply and Close**.

Step 4: Creating a class file named TestAnnotations

- In the Project Explorer, expand **Annotations->Java Resources**.
- Right-click on **src** and choose **New->Class**.
- In **Class Name**, enter **TestAnnotations**. In **Package Name**, enter **com.testannotations** and click on **Finish**.
- Enter the following code:

```
package com.testannotations;

import org.testng.annotations.*;

public class TestAnnotations {

    @Test
    public void Test1() {
        System.out.println("Test1 Executed");
    }
    @Test
    public void Test2() {
        System.out.println("Test2 Executed");
    }

    @BeforeTest
    public void beforeTest() {
```

```

        System.out.println("BeforeTest Executed");
    }
    @AfterTest
    public void AfterTest() {
        System.out.println("AfterTest Executed");
    }

    @BeforeMethod
    public void beforeMethod() {
        System.out.println("BeforeMethod Executed");
    }
    @AfterMethod
    public void afterMethod() {
        System.out.println("AfterMethod Executed");
    }

    @BeforeClass
    public void beforeClass() {
        System.out.println("BeforeClass Executed");
    }
    @AfterClass
    public void afterClass() {
        System.out.println("AfterClass Executed");
    }
}

```

Step 5: Running the project as TestNG

- Right-click on **TestAnnotations** class. Click on **TestNG->Convert to TestNG**.
- Click on **Finish**. It will create a **TestNG.xml** file. Open that file.
- Right click on the screen. Select **Run As ->TestNG Suite**.

Step 6: Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add .

Commit the changes using the following command:

git commit . -m "Changes have been committed."

Push the files to the folder you initially created using the following command:

git push -u origin master

