

1. Create 2 test cases, disable one using enabled = false, and run only the active test.

```
package TestNG_practice;

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class Activetest{

    WebDriver driver;

    @BeforeClass
    public void beforeclass() {
        driver = new ChromeDriver();
        driver.get("https://www.ebay.com/");
        driver.manage().window().maximize();
    }

    @Test
    public void login() throws InterruptedException {
        WebElement login = driver.findElement(By.xpath("//*[@id='gh-ug']/a"));
        login.click();

        WebElement name = driver.findElement(By.id("userid"));
        name.sendKeys("monalisamedabayani@gmail.com");
        driver.findElement(By.id("signin-continue-btn")).click();
    }
}
```

```

WebElement pass = driver.findElement(By.id("pass"));
pass.sendKeys("Mona@2002");
driver.findElement(By.id("sgnBt")).click();

Thread.sleep(2000);
}

@Test(dependsOnMethods = "login")
public void search() throws InterruptedException {
    driver.get("https://www.ebay.com/");
    WebElement search = driver.findElement(By.id("gh-ac"));

    String[] searches = {"bag", "phone", "laptop"};
    for (String s : searches) {
        search.sendKeys(s);
        search.sendKeys(Keys.ENTER);
        Thread.sleep(2000);
        search = driver.findElement(By.id("gh-ac"));
        search.clear();
    }
}

```

```

@AfterClass
public void afterclass() {
    driver.quit();
}
}

```

Output:

login test passed

search test skipped

2. Write a test to run the same test multiple times.

```
package TestNG_practice;

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class MultipleSearch {

    WebDriver driver;

    @BeforeClass
    public void beforeclass() {
        driver = new ChromeDriver();
        driver.get("https://www.ebay.com/");
        driver.manage().window().maximize();
    }

    @Test(invocationCount = 3)
    public void searchMultiple() throws InterruptedException {
        WebElement search = driver.findElement(By.id("gh-ac"));
        String[] searches = {"bag", "phone", "laptop"};
        for (String s : searches) {
            search.clear();
            search.sendKeys(s);
            search.sendKeys(Keys.ENTER);
            Thread.sleep(2000);
        }
    }
}
```

```
        driver.get("https://www.ebay.com/");
    }
}
```

```
@AfterClass
public void afterclass() {
    driver.quit();
}
}
```

Output:

search tv test passed

search shoes test passed

search laptop test passed

3. Write test cases for a dummy login page using @Parameters in testng.xml.

```
package TestNG_practice;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterTest;
import org.testng.annotations.BeforeTest;
import org.testng.annotations.Parameters;
import org.testng.annotations.Test;
```

```
public class DummyLogin {
```

```
    WebDriver driver;
```

```
@BeforeTest
```

```
public void beforetest() {
    driver = new ChromeDriver();
```

```

        driver.manage().window().maximize();
    }

```

```

@Parameters({"username","password"})

```

```

@Test

```

```

public void testlogin(String username, String password) {
    driver.get("http://zero.webappsecurity.com/login.html");
    WebElement uname = driver.findElement(By.id("user_login"));
    uname.clear();
    uname.sendKeys(username);
    WebElement psw = driver.findElement(By.id("user_password"));
    psw.clear();
    psw.sendKeys(password);
    driver.findElement(By.name("submit")).click();
}

```

```

@AfterTest

```

```

public void aftertest() {
    driver.quit();
}
}

```

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
<suite name="LoginSuite">
    <test name="LoginTest">
        <parameter name="username" value="dummyUser"/>
        <parameter name="password" value="dummyPass"/>
        <classes>
            <class name="All.DummyLogin"/>
        </classes>
    </test>

```

</suite>

Output:

login with username testuser and

password testpass test passed

4. Write dependent test cases:

login()

search Product() (depends on login)

logout() (depends on search)

package TestNG_practice;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Test;

public class EbayDependent {

 WebDriver driver;

 @BeforeTest

 public void beforeTest() {

 driver = new ChromeDriver();

 driver.manage().window().maximize();

 }

 @Test

 public void login() {

 driver.get("https://www.ebay.com/");

 WebElement login = driver.findElement(By.xpath("//*[@id=\"gh-ug\"]/a"));

```

login.click();

WebElement username = driver.findElement(By.id("userid"));

username.sendKeys("monalisamedabayani@gmail.com");

driver.findElement(By.id("signin-continue-btn")).click();

WebElement password = driver.findElement(By.id("pass"));

password.sendKeys("Mona@2002");

driver.findElement(By.id("sgnBt")).click();

}

```

```

@Test(dependsOnMethods = "login")

public void searchProduct() throws InterruptedException {

    WebElement search = driver.findElement(By.id("gh-ac"));

    search.clear();

    search.sendKeys("laptop");

    search.sendKeys(Keys.ENTER);

    Thread.sleep(2000);

    driver.navigate().back();

    Thread.sleep(1000);

    search = driver.findElement(By.id("gh-ac"));

    search.clear();

    search.sendKeys("phone");

    search.sendKeys(Keys.ENTER);

    Thread.sleep(2000);

    driver.navigate().back();

}

```

```

@Test(dependsOnMethods = "searchProduct")

public void logout() throws InterruptedException {

    WebElement menu = driver.findElement(By.xpath("//*[@id=\"gh-ug\"]/a"));

    menu.click();

    Thread.sleep(1000);

```

```

        driver.findElement(By.linkText("Sign out")).click();

        Thread.sleep(1000);
    }

```

```

    @AfterTest
    public void afterTest() {
        driver.quit();
    }
}

```

Output:

login test passed

searchProduct test passed

logout test passed

5. Use Data Provider to supply multiple sets of usernames/passwords to a login test.

package All;

```

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterTest;
import org.testng.annotations.BeforeTest;
import org.testng.annotations.DataProvider;
import org.testng.annotations.Test;

```

```

public class EbayLoginDataProvider {
    WebDriver driver;

```

```

    @BeforeTest
    public void openBrowser() {
        driver = new ChromeDriver();
    }

```



```
driver.manage().window().maximize();

driver.get("https://www.ebay.com/");

}
```

```
@DataProvider(name = "loginData")
public Object[][] getData() {
    return new Object[][] {
        {"user1@example.com", "pass1"},
        {"user2@example.com", "pass2"},
        {"user3@example.com", "pass3"}
    };
}
```

```
@Test(dataProvider = "loginData")
public void loginTest(String username, String password) throws InterruptedException {
    WebElement signInLink = driver.findElement(By.xpath("//*[@id='gh-ug']/a"));
    signInLink.click();
    Thread.sleep(1000);
    WebElement userid = driver.findElement(By.id("userid"));
    userid.clear();
    userid.sendKeys(username);
    WebElement continueBtn = driver.findElement(By.id("signin-continue-btn"));
    continueBtn.click();
    Thread.sleep(1000);
    WebElement pass = driver.findElement(By.id("pass"));
    pass.clear();
    pass.sendKeys(password);
    WebElement signInBtn = driver.findElement(By.id("sgnBt"));
    signInBtn.click();
    Thread.sleep(2000);
    driver.get("https://www.ebay.com/");
}
```

```
}
```

```
@AfterTest
```

```
public void closeBrowser() {
```

```
    driver.quit();
```

```
}
```

```
}
```

Output:

loginTest with user1 and pass1 passed

loginTest with user2 and pass2 passed

loginTest with user3 and pass3 passed

6.Run test cases in parallel (methods, classes, tests) using parallel attribute in testng.xml.

```
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
```

```
<suite name="ParallelSuite" parallel="tests" thread-count="3">
```

```
    <!-- Each <test> runs in parallel -->
```

```
    <test name="EbayDependentTest">
```

```
        <classes>
```

```
            <class name="All.EbayDependent"/>
```

```
        </classes>
```

```
    </test>
```

```
    <test name="DependTest">
```

```
        <classes>
```

```
            <class name="All.Depend"/>
```

```
        </classes>
```

```
    </test>
```

```
    <test name="MultipleSearchTest">
```

```
        <classes>
```

```
            <class name="All.MultipleSearch"/>
```

</classes>

</test>

<test name="DummyLoginTest">

<parameter name="username" value="testuser"/>

<parameter name="password" value="testpass"/>

<classes>

<class name="All.DummyLogin"/>

</classes>

</test>

</suite>