

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

```
package Testng_package;
```

```
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.openqa.selenium.interactions.Actions;
```

```
import org.testng.annotations.AfterClass;
```

```
import org.testng.annotations.BeforeClass;
```

```
import org.testng.annotations.Test;
```

```
public class Pause {
```

```
    WebDriver driver;
```

```
    @BeforeClass
```

```
    public void beforeClass() {
```

```
        driver=new ChromeDriver();
```

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

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

```
    }
```

```
    @Test(enabled=true)
```

```
    public void login() throws InterruptedException {
```

```
        WebElement
```

```
        login=driver.findElement(By.xpath("//*[@id=\"gh\"]/nav/div[1]/span[1]/span/a"));
```

```
login.click();

Thread.sleep(15000);

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

name.sendKeys("jayavenkatasaijayadeep.k@gmail.com");

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

Thread.sleep(3000);

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

pass.sendKeys("suG!i_399AN.PLN");

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

Thread.sleep(4000);

}

@Test(enabled=false)

public void search() throws InterruptedException {

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

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


String[] searches= {"watch","phone","laptop"};

for(String s:searches) {

search.sendKeys(s);

search.sendKeys(Keys.ENTER);

Thread.sleep(3000);

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

search.clear();

}

Thread.sleep(3000);
```

```

driver.findElement(By.id("gh-logo")).click();

}

@Test(enabled=true)

public void logout() throws InterruptedException {

    WebElement elementToHover = driver.findElement(By.cssSelector("span>div[class=\"gh-flyout is-left-aligned\"]"));

    Actions actions = new Actions(driver);

    actions.moveToElement(elementToHover).build().perform();

    Thread.sleep(5000);

    driver.findElement(By.cssSelector("a[_sp=\"m570.l2622\"]")).click();

    Thread.sleep(5000);

}

@AfterClass

public void afterClass(){

    driver.close();

}

}

```

```
PASSED: Testng_package.Pause.logout
PASSED: Testng_package.Pause.login
```

```
=====
Default test
Tests run: 2, Failures: 0, Skips: 0
=====
```

```
=====
Default suite
Total tests run: 2, Passes: 2, Failures: 0, Skips: 0
=====
```

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

```
package Testng_package;
```

```
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.openqa.selenium.interactions.Actions;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;
```

```
public class Repeattest {
    WebDriver driver;
```

@BeforeClass

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

@Test(invocationCount = 2)

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

```
String[] searches= {"watch","phone","laptop"};
```

```
for(String s:searches) {  
    search.sendKeys(s);  
    search.sendKeys(Keys.ENTER);  
    Thread.sleep(3000);  
    search=driver.findElement(By.id("gh-ac"));  
    search.clear();
```

```
}
```

```
Thread.sleep(3000);  
driver.findElement(By.id("gh-logo")).click();  
}
```

@AfterClass

```

public void afterClass(){
    driver.close();
}

}

```

```

PASSED: Testng_package.RepeatTest.search
PASSED: Testng_package.RepeatTest.search

=====
    Default test
    Tests run: 1, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 2, Passes: 2, Failures: 0, Skips: 0
=====

```

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

```

package Testng_package;

```

```

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.Optional;
import org.testng.annotations.Parameters;
import org.testng.annotations.Test;

```

```
public class LoginTest {  
    WebDriver driver;  
  
    @BeforeTest  
    public void setup() {  
  
        driver = new ChromeDriver();  
        driver.manage().window().maximize();  
    }  
  
    @Test  
    @Parameters({"username", "password"})  
    public void testLogin(@Optional("username") String username,  
        @Optional("password") String password) throws InterruptedException {  
  
        System.out.println("Username: " + username + "Password: " + password);  
  
        driver.get("http://zero.webappsecurity.com/login.html");  
  
        WebElement usr = driver.findElement(By.id("user_login"));  
        usr.clear();  
        usr.sendKeys(username);  
    }  
}
```

```
WebElement psw = driver.findElement(By.id("user_password"));
```

```
psw.clear();
```

```
psw.sendKeys(password);
```

```
driver.findElement(By.cssSelector("input[name=\"submit\"]")).click();
```

```
}
```

```
@AfterTest
```

```
public void tearDown() {
```

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

```
}
```

```
}
```

Xml file

```
<suite name="parameterSuite">  
<test name="plugintest">  
<parameter name="username" value="admin" />  
<parameter name="password" value="admin@123" />  
<classes>
```



```
<class name="Testng_package.LoginTest"/>
</classes>
</test>
</suite>
```

```
Username: adminPassword: admin@123
```

```
=====
parameterSuite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0
=====
```

4. Write dependent test cases:

login()

search Product() (depends on login)

logout() (depends on search).

```
package Testng_package;
```

```
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.openqa.selenium.interactions.Actions;
```

```
import org.testng.annotations.AfterClass;
```

```
import org.testng.annotations.BeforeClass;
```

```
import org.testng.annotations.Test;

public class Depends {

    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\']/nav/div[1]/span[1]/span/a"));

        login.click();

        Thread.sleep(10000);

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

        name.sendKeys("jayavenkatasaijayadeep.k@gmail.com");

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

        Thread.sleep(3000);

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

        pass.sendKeys("suG!i_399AN.PLN");

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

        Thread.sleep(4000);

    }

}
```

```
@Test(dependsOnMethods="login")

public void search() throws InterruptedException {

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

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

```
String[] searches= {"watch","phone","laptop"};

for(String s:searches) {

    search.sendKeys(s);

    search.sendKeys(Keys.ENTER);

    Thread.sleep(3000);

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

    search.clear();
```

```
}

Thread.sleep(3000);

driver.findElement(By.id("gh-logo")).click();

}
```

```
@Test(dependsOnMethods="login")

public void logout() throws InterruptedException {

    WebElement elementToHover = driver.findElement(By.cssSelector("span>div[class=\"gh-flyout is-left-aligned\"]"));

    Actions actions = new Actions(driver);

    actions.moveToElement(elementToHover).build().perform();

    Thread.sleep(5000);

    driver.findElement(By.cssSelector("a[_sp=\"m570.l2622\"]")).click();

    Thread.sleep(5000);
```

```
}
```

```
@AfterClass
```

```
public void afterClass(){
```

```
driver.close();
```

```
}
```

```
}
```

```
PASSED: Testng_package.Depends.logout
```

```
PASSED: Testng_package.Depends.search
```

```
PASSED: Testng_package.Depends.login
```

```
=====
```

```
    Default test
```

```
    Tests run: 3, Failures: 0, Skips: 0
```

```
=====
```

```
=====
```

```
Default suite
```

```
Total tests run: 3, Passes: 3, Failures: 0, Skips: 0
```

```
=====
```

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

```
package Testng_package;
```

```
import java.io.FileInputStream;
```

```
import java.io.IOException;
```

```
import org.apache.poi.ss.usermodel.Cell;
```

```
import org.apache.poi.ss.usermodel.Row;
import org.apache.poi.ss.usermodel.Sheet;
import org.apache.poi.ss.usermodel.Workbook;
import org.apache.poi.ss.usermodel.WorkbookFactory;
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.DataProvider;
import org.testng.annotations.Test;

public class ExcelTest {

    @DataProvider(name="excelData")
    public Object[][] excelDataProvider() throws IOException{
        String excelpath="src/test/resources/TestData.xlsx";
        String sheetname="Sheet1";
        FileInputStream fis=new FileInputStream(excelpath);
        Workbook workbook=WorkbookFactory.create(fis);
        Sheet sheet =workbook.getSheet(sheetname);
        int rows=sheet.getPhysicalNumberOfRows();
        int cols=sheet.getRow(0).getLastCellNum();

        Object[][] data=new Object[rows-1][cols];
```

```

for(int i=1;i<rows;i++) {
    Row row=sheet.getRow(i);
    for(int j=0;j<cols;j++) {
        Cell cell=row.getCell(j);
        data[i-1][j]=(cell==null)? "":cell.toString();
    }
}

workbook.close();
fis.close();

return data;
}

@Test(dataProvider="excelData")

public void testLogin(String username,String password) throws InterruptedException {
    System.out.println("Username: "+username+" |Password: "+password);

    WebDriver driver=new ChromeDriver();

    driver.get("http://zero.webappsecurity.com/login.html");

    WebElement usr=driver.findElement(By.id("user_login"));

    usr.sendKeys(username);

    WebElement psw=driver.findElement(By.id("user_password"));

    psw.sendKeys(password);

    driver.findElement(By.cssSelector("input[name=\"submit\"]")).click();

//    System.out.println("Search for "+s);

//    WebDriver driver=new ChromeDriver();

//    driver.get("http://zero.webappsecurity.com/index.html");

//    WebElement sr=driver.findElement(By.id("searchTerm"));

//    sr.sendKeys(s);

```

```
//      sr.sendKeys(Keys.ENTER);

//      Thread.sleep(3000);

driver.close();

}
```

```
}
```

```
PASSED: Testng_package.ExcelTest.testLogin("admin", "1234fghjk")
PASSED: Testng_package.ExcelTest.testLogin("sdfghjk", "dfghjkl456789")
PASSED: Testng_package.ExcelTest.testLogin("admin", "admin@123")
PASSED: Testng_package.ExcelTest.testLogin("asdf2345", "admin@123")
```

```
=====
```

```
    Default test
```

```
    Tests run: 1, Failures: 0, Skips: 0
```

```
=====
```

```
=====
```

```
Default suite
```

```
Total tests run: 4, Passes: 4, Failures: 0, Skips: 0
```

```
=====
```

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

```
<suite name="ParallelSuite" parallel="classes" thread-count="3">
<test name="ParallelTestExecution">
<classes>
<class name="Testng_package.pt"/>
<class name="Testng_package.ebay_fox"/>
<class name="Testng_package.ebay_ed"/>
</classes>
</test>
</suite>
```

Pt

```
package Testng_package;
```

```
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.openqa.selenium.interactions.Actions;
```

```
import org.testng.annotations.AfterClass;
```

```
import org.testng.annotations.BeforeClass;
```

```
import org.testng.annotations.Test;
```

```
public class pt {
```

```
    WebDriver driver;
```

```
    @BeforeClass
```

```
    public void beforeClass() {
```

```
        driver=new ChromeDriver();
```

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

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

```
    }
```


@Test

```
public void search() throws InterruptedException {
```

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

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

```
String[] searches= {"watch","phone","laptop"};
```

```
for(String s:searches) {
```

```
search.sendKeys(s);
```

```
search.sendKeys(Keys.ENTER);
```

```
Thread.sleep(3000);
```

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

```
search.clear();
```

```
}
```

```
Thread.sleep(3000);
```

```
driver.findElement(By.id("gh-logo")).click();
```

```
}
```

@AfterClass

```
public void afterClass(){
```

```
driver.close();
```

```
}
```

```
}
```

Ebay_fox

```
package Testng_package;
```

```
import org.openqa.selenium.By;
```

```
import org.openqa.selenium.Keys;
```

```
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.WebElement;
```

```
import org.openqa.selenium.firefox.FirefoxDriver;
```

```
import org.openqa.selenium.interactions.Actions;
```

```
import org.testng.annotations.AfterClass;
```

```
import org.testng.annotations.BeforeClass;
```

```
import org.testng.annotations.Test;
```

```
public class ebay_fox {
```

```
    WebDriver driver;
```

@BeforeClass

```
public void beforeClass() {  
  
    driver=new FirefoxDriver();  
  
    driver.get("https://www.ebay.com/");  
  
    driver.manage().window().maximize();  
  
}
```

@Test

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

```
    String[] searches= {"watch","phone","laptop"};
```

```
    for(String s:searches) {
```

```
        search.sendKeys(s);
```

```
        search.sendKeys(Keys.ENTER);
```

```
        Thread.sleep(3000);
```

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

```
        search.clear();
```

```
    }
```

```
    Thread.sleep(3000);
```

```
driver.findElement(By.id("gh-logo")).click();  
  
}
```

```
@AfterClass
```

```
public void afterClass(){  
  
    driver.close();  
  
}
```

```
}
```

```
Ebay_ed
```

```
package Testng_package;
```

```
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.openqa.selenium.edge.EdgeDriver;  
  
import org.openqa.selenium.interactions.Actions;  
  
import org.testng.annotations.AfterClass;
```

```
import org.testng.annotations.BeforeClass;

import org.testng.annotations.Test;


public class ebay_ed{

    WebDriver driver;


    @BeforeClass

    public void beforeClass() {

        System.setProperty("webdriver.edge.driver", "C:\\Users\\user\\Desktop\\New
        folder\\edgedriver_win64\\msedgedriver.exe");

        driver =new EdgeDriver();

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

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

    }

    @Test

    public void search() throws InterruptedException {

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

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


        String[] searches= {"watch","phone","laptop"};

        for(String s:searches) {

            search.sendKeys(s);

            search.sendKeys(Keys.ENTER);
```

```
Thread.sleep(3000);

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

search.clear();

}

Thread.sleep(3000);

driver.findElement(By.id("gh-logo")).click();

}
```

```
@AfterClass

public void afterClass(){

driver.close();

}

}
```

```
=====
ParallelSuite
Total tests run: 3, Passes: 3, Failures: 0, Skips: 0
=====
```