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

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

public class TiraBeautyTests {
    WebDriver driver;

    @BeforeClass
    public void setup() {
        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://www.tirabeauty.com/");
    }

    @Test(enabled = true)
    public void testSearchProduct() {
        driver.findElement(By.name("s")).sendKeys("lipstick");
        driver.findElement(By.cssSelector("button[type='submit']")).click();
        String title = driver.getTitle();
        assert title.toLowerCase().contains("lipstick");
    }
```

```
    @Test(enabled = false)
    public void testNavigateMakeupSection() {
        driver.findElement(By.linkText("Makeup")).click();
        String url = driver.getCurrentUrl();
        assert url.contains("makeup");
    }

    @AfterClass
    public void teardown() {
        if (driver != null) {
            driver.quit();
        }
    }
}
```

Write a test to run the same test multiple times.

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

public class RepeatTestInvocationCount {
    WebDriver driver;

    @BeforeClass
```

```
    public void setup() {
        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://www.tirabeauty.com/");
    }

    @Test(invocationCount = 3)
    public void testSearchRepeated() {
        driver.findElement(By.name("s")).clear();
        driver.findElement(By.name("s")).sendKeys("lipstick");
        driver.findElement(By.cssSelector("button[type='submit']")).click();
        String title = driver.getTitle();
        assert title.toLowerCase().contains("lipstick");
        driver.navigate().back();
    }

    @AfterClass
    public void teardown() {
        if (driver != null) {
            driver.quit();
        }
    }
}
```

Write dependent test cases:

login()

search Product() (depends on login)

logout() (depends on search)

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

public class DependentTests {
    WebDriver driver;

    @BeforeClass
    public void setup() {
        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://www.tirabeauty.com/");
    }

    @Test
    public void login() {
        driver.findElement(By.linkText("Login")).click();
```

```
    driver.findElement(By.id("user_email")).sendKeys("testuser@example.com");
    driver.findElement(By.id("user_password")).sendKeys("password123");
    driver.findElement(By.name("commit")).click();
    String accountText = driver.findElement(By.cssSelector(".account")).getText();
    assert accountText.toLowerCase().contains("welcome");
}

@Test(dependsOnMethods = {"login"})
public void searchProduct() {
    driver.findElement(By.name("s")).clear();
    driver.findElement(By.name("s")).sendKeys("lipstick");
    driver.findElement(By.cssSelector("button[type='submit']")).click();
    String title = driver.getTitle();
    assert title.toLowerCase().contains("lipstick");
}

@Test(dependsOnMethods = {"searchProduct"})
public void logout() {
    driver.findElement(By.linkText("Logout")).click();
    boolean loginDisplayed = driver.findElement(By.linkText("Login")).isDisplayed();
    assert loginDisplayed;
}

@AfterClass
public void teardown() {
    if (driver != null) {
        driver.quit();
    }
```

```
    }
}
```

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

```
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.DataProvider;
import org.testng.annotations.Test;

public class EbayLoginTests {
    WebDriver driver;

    @BeforeClass
    public void setup() {
        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://www.ebay.com/");
    }

    @Test(dataProvider = "loginData")
    public void testLogin(String username, String password) {
        driver.findElement(By.linkText("Sign in")).click();
        driver.findElement(By.id("userid")).clear();
```

```
        driver.findElement(By.id("userid")).sendKeys(username);
        driver.findElement(By.id("signin-continue-btn")).click();
        driver.findElement(By.id("pass")).clear();
        driver.findElement(By.id("pass")).sendKeys(password);
        driver.findElement(By.id("sgnBt")).click();
        boolean isLoginError = driver.getPageSource().contains("Oops");
        assert !isLoginError;
        driver.navigate().to("https://www.ebay.com/");
    }

    @DataProvider(name = "loginData")
    public Object[][] loginData() {
        return new Object[][] {
            {"testuser1@example.com", "password1"},
            {"testuser2@example.com", "password2"},
            {"testuser3@example.com", "password3"}
        };
    }

    @AfterClass
    public void teardown() {
        if (driver != null) {
            driver.quit();
        }
    }
}
```

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