**TestNG programs examples**

**9)TestNG DATAPROVIDERS**

**(inherited dataprovider-----3tests)**

**Dataprovider1.java:**

**package** webpagetest;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.support.ui.Select;

**import** org.testng.Assert;

**import** org.testng.annotations.BeforeMethod;

**import** org.testng.annotations.Test;

**public** **class** Dataprovider1 {

WebDriver driver;

@BeforeMethod

**public** **void** launch()

{

System.*setProperty*("webdriver.chrome.driver", "C:/drivers/chromedriver.exe");

driver=**new** ChromeDriver();

driver.get("https://computer-database.gatling.io/computers");

driver.findElement(By.*cssSelector*("#add")).click();

}

@Test(dataProvider="details", dataProviderClass=DataproviderTest.**class**)

**public** **void** enterdetails1(String cname ,String sdate,String edate,**int** a)

{

driver.findElement(By.*id*("name")).sendKeys(cname);

driver.findElement(By.*id*("introduced")).sendKeys(sdate);

driver.findElement(By.*id*("discontinued")).sendKeys(edate);

Select dropdown=**new** Select( driver.findElement(By.*id*("company")));

dropdown.selectByIndex(a);

driver.findElement(By.*xpath*("//body/section[@id='main']/form[1]/div[1]/input[1]")).click();

String text=driver.findElement(By.*xpath*("//body/section[@id='main']/div[1]")).getText();

System.***out***.println(text);

Assert.*assertEquals*(text, "Done ! Computer "+ cname +" has been created");

driver.close();

}

}

**Dataprovider.java:**

**public** **class** DataproviderTest {

@DataProvider(name="details")

**public** Object[][]dpmethod()

{

**return** **new** Object[][] {{"SUHANINC","2018-01-22","2025-01-22",9},{"SUHANIBM","2018-01-22","2025-01-22",9},{"SUHAN","2018-01-22","2025-01-22",9}};

}

}

**Output:**

Done ! Computer SUHANINC has been created

Done ! Computer SUHANIBM has been created

Done ! Computer SUHAN has been created

PASSED: enterdetails1("SUHANINC", "2018-01-22", "2025-01-22", 9)

PASSED: enterdetails1("SUHANIBM", "2018-01-22", "2025-01-22", 9)

PASSED: enterdetails1("SUHAN", "2018-01-22", "2025-01-22", 9)

===============================================

Default test

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

===============================================

===============================================

Default suite

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

===============================================