**TestNG programs examples**

**8)TestNG DATAPROVIDERS.(SINGLE PARAMETER----1test)**

**package** testngtrail;

**import** org.testng.annotations.DataProvider;

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

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

@DataProvider(name="data\_provider")

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

{

**return** **new** Object[][] {{"hi this is shaiksha"}};

}

@Test(dataProvider="data\_provider")

**public** **void** mytest(String val)

{

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

}

}

**OUTPUT:**

[RemoteTestNG] detected TestNG version 7.4.0

hi this is shaiksha

PASSED: mytest("hi this is shaiksha")

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Default test

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

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Default suite

Total tests run: 1, Passes: 1, Failures: 0, Skips: 0

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**(multiple PARAMETERS-----2tests)**

**package** testngtrail;

**import** org.testng.Assert;

**import** org.testng.annotations.DataProvider;

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

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

@DataProvider(name="inputvalues")

**public** Object[][] mymethod()

{

**return** **new** Object [][] {{2,3,5},{6,9,15}};

}

@Test(dataProvider="inputvalues")

**public** **void** test(**int** a,**int** b,**int** result)

{

**int** sum=a+b;

Assert.*assertEquals*(result, sum);

}

}

**Output:**

[RemoteTestNG] detected TestNG version 7.4.0

PASSED: test(2, 3, 5)

PASSED: test(6, 9, 15)

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Default test

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

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Default suite

Total tests run: 2, Passes: 2, Failures: 0, Skips: 0

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