Test NG 6 Test Next Generation is an unique testing (Whate Box Testing) framework. Basically used by developers to perform WBT. It is also used by selenium automation engineers to sun multiple test classes and to generate execution result. Automation engineers call JestNG as unit testing tool Installing TextNG? In eclipse go to Help Menu >> Eclipse Marketplace >> Search for Test NG >> click Install button of TestNG. >> follow the default instructions till finish which will restart the eclipse. Right Click on the Java Project >> go to Build path >> Select add libraries >> Select test NG 27 Click Next >> Click Firish

TestNG Class: as TestNG class is a java class which contains Test method

by Any method developed using Test annotation (@Test) is called as Test method.

En: package qup;

import org-testing Reporter;

compost orgitesting annotations. Test;

public class DemoA {

@ Tost

public void test A () {

Reporter log ("Executing test A", true); }

When we sun the above class, it automatically generates
the result class in the format. To see the result
refresh java project, expand 'test-output' folder,
right click on "emailable-report them!', open with >>
select WebBrowser.

ilhile developing testre class, do not use; default pretage,

To sun multiple testNG classes, we use TestNG suite.

To create it; right click on jour project; go to TestNG, selett

the sunt to Convert to TestNG suite >> click Finish.

Double click on xme file to wiew its content & remove the

Ex: < suite name = "Suite" parallel = "none"> <test name="Test"> class name = "gsp. DemoA"/> < class name = "gsp. Demo B" (> To Execute it, Go to project; testing x not >> Right click>>
Sun ar >> select test NG suite: NOTE: as In a same Test NG class, we can have multiple test methods, but they will be executed in alphabetical by To execute them in oriquired order, we use priority, default priority is sero(0). It can be regature number also, but decimal numbers asse not allowed. Variables are also not allowed. es It always executes in ascending order of priority. if two methods have some priority then those methods will be executed in alphabetical order. To sun the test method multiple times, we use invocation count, default value is 1(one) : If it is goro or regature number, It will not execute the test method. Here also variable & decimal numbers are also not allowed.

```
Demo A java
 public class Demot extends BaseTest of
 @ Test (priority = 0, invocation Count = 2)
   public void register Uses () {
    Reporter bg ("register User", true);
 @ Test (priority=1)
   Jublic void delete All User () {
   Reporter · log ("delete All User", true);
DemoBijava
 public class DemoB extends BaseTest {
 @ Test (priority = 2)
   public void testB(){
     Reporter log("Executing test B", true);
testing xml
<suite name="Suite">
    <test name = "Test 1">
      c dauses >
         < class name = "gsp : Demot" />
      </classes>
   < classes>
       < class name = 99 Demos"/>
      cicloses> </best> </bute>
```