

TestNG

- Testing Framework for java Programming language
- TestNG is open Source

Features

- HTML Reports
- Different annotations
- Priorities
- Dependency
- Grouping
- Dataprovider

TestNG Installation and Getting Started

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

public class demo {
    @Test

    public void sample()
    {
        System.out.println("hi");
    }
}
```

Set priority to test case

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

public class orderofexecution {
    @Test(priority=-5)

    public void sayhello()
    {
        System.out.println("Hello");
    }
    @Test(priority=1)

    public void plssitdown()
    {
```

```

        System.out.println("Sitdown");
    }
    @Test(priority=-2)

    public void plseat()
    {
        System.out.println("plseat");
    }
}

```

Skip the testcase in testNG

```

package ngclass;
import org.testng.annotations.Test;

public class skip {
    @Test

    public void welcome()
    {
        System.out.println("hi");
    }
    @Test(enabled = false)

    public void eat()
    {
        System.out.println("down");
    }
    @Test

    public void plssitdown()
    {
        System.out.println("Sitdown");
    }
}

```

TestNG Dependencies

```

package ngclass;
import org.testng.Assert;
import org.testng.annotations.Test;

public class dependency {
    @Test

```

```

    public void first()
    {
        Assert.assertTrue(false);
    }
    @Test(dependsOnMethods = {"first"})

    public void second()
    {
        System.out.println("second");
    }
    @Test

    public void third()
    {
        System.out.println("Third");
    }
}

```

Invocation count and invocation Timeout

```

package ngclass;
import org.testng.annotations.Test;

public class invocation {
    @Test(invocationCount = 5,invocationTimeOut = 1000)

    public void first() throws InterruptedException
    {
        Thread.sleep(600);
        System.out.println("Running");
    }
}

```