Beyond the Syllabus
Experiment No: 10

Obj – Write JUnit test case of a java program that used to find the maximum number for an array.

program code

```java
1.  package com.javatpoint.logic;
2.  public class Calculation {
3.
4.      public static int findMax(int arr[]){
5.          int max=0;
6.          for(int i=1;i<arr.length;i++){
7.              if(max<arr[i])
8.                  max=arr[i];
9.          }
10.         return max;
11.     }
12. }
```

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test case

```java
1.  package com.javatpoint.testcase;
2.
3.  import static org.junit.Assert.*;
4.  import com.javatpoint.logic.*;
5.  import org.junit.Test;
6.
7.  public class TestLogic {
8.
9.      @Test
10.     public void testFindMax(){
11.         assertEquals(4,Calculation.findMax(new int[]{1,3,4,2}));
12.         assertEquals(-1,Calculation.findMax(new int[]{-12,-1,-3,-4,-2}));
13.     }
14. }
```

To run this **right click on TestLogic class -> Run As -> 1Junit Test**.

Output: Assertion Error