30. JUNIT TESTING TO CHECK WHETHER THE GIVEN NUMBER IS PALINDROME OR NOT G.VISHNU VARDHAN

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AIM

To Perform junit Testing to Check Whether the given number is palindrome or not.

PROGRAM

```
package sse;
import java.util.Scanner;
import static org.junit.Assert.assertTrue;
public class palindrome
{
     public static void main(String args[])
     {
           Scanner in = new Scanner(System.in);
           int r, sum = 0, temp; int n = in.nextInt();
           temp = n;
           while (n > 0)
           {
                r = n \% 10; n = n / 10;
                sum = (sum * 10) + r;
           }
           System.out.println(sum);
           assertTrue(787==sum);
           if(temp==sum)
                System.out.println(sum+" is palindrome number");
           else
                System.out.println(sum+" is not palindrome number");
           }
     }
```

OUTPUT arunk - sse/src/sse/palindrome.java - Eclipse IDE File Edit Source Refactor Navigate Search Project Run Window Help 🛱 Package Explorer 🛭 🕒 😘 🄝 💆 🗖 🖟 junit1.java 🚨 reverse.java 🚨 username.java 🚨 intrest.java 🚨 palindrome.java 🗵 🗓 google.java 🗋 yahoo.java 🤌 6 KJ 7⊝ > 📂 sgam public static void main(String args[]) > 👺 sse Scanner in = new Scanner(System.in); int r, sum = 0, temp; int n = in.nextInt(); temp = n; while (n > 0)r = n % 10; n = n / 10; sum = (sum * 10)+r;System.out.println(sum); assertTrue(787==sum); if(temp==sum) System.out.println(sum+" is palindrome number"); else System.out.println(sum+" is not palindrome number"); } Problems @ Javadoc Declaration □ Console □ <terminated> palindrome [Java Application] C:\Program Files\Java\jre1.8.0_171\bin\javaw.exe (25-May-2023, 3:53:08 pm) 787 is palindrome number arunk - sse/src/sse/palindrome.java - Eclipse IDE File Edit Source Refactor Navigate Search Project Run Window Help 🖹 😫 🔛 🗖 📗 junit1.java 🚨 username.java 🚨 intrest.java 🚨 palindrome.java 🗵 🗓 google.java 🚨 yahoo.java Package Explorer ⋈ > 📂 sqam public static void main(String args[]) > 👺 sse Scanner <u>in</u> = **new** Scanner(System.**in**); **int** r, sum = 0, temp; **int** n = in.nextInt(); temp = n; **while** (n > 0) r = n % 10; n = n / 10; sum = (sum * 10)+r; System.out.println(sum); assertTrue(787==sum); Problems @ Javadoc □ Declaration □ Console 🗵 <terminated> palindrome [Java Application] C:\Program Files\Java\jre1.8.0_171\bin\javaw.exe (25-May-2023, 3:54:20 pm) Exception in thread "main" java.lang.AssertionError at org.junit.Assert.fail(Assert.java:86) at org.junit.Assert.assertTrue(Assert.java:41) at org.junit.Assert.assertTrue(Assert.java:52) at sse.palindrome.main(palindrome.java:18)

RESULT

Hence the junit Testing Check Whether the given number is palindrome or not performed successfully.