30. Junit Testing to check whether the given number is palindrome or not

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 🐾 > 📂 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"); System.out.println(sum+" is not palindrome number"); } 25 26 Problems @ Javadoc Declaration □ Console Co <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 [☆▼ 🖫 🔞 [및] 🌣 | 🌣 ▼ 🔾 ▼ 💁 ▼ 😭 ♥ 😕 😅 ゼ 👂 🖒 🚀 ▼ [🎔 🖋 >> 🕪 🗐 👚 [½] ▼ 🖓 ▼ 🤃 🗢 ▼ 🛢 Package Explorer 🗵 🕒 😂 🌓 🔻 🗀 🖸 junit1.java 🚇 reverse.java 🚇 username.java 🚇 intrest.java 🚇 palindrome.java 🖫 google.java 🚇 yahoo.java - -> 🞏 sgam public static void main(String args[]) > 👺 sse 8 Scanner in = new Scanner(System.in); int r, sum = 0, temp; int n = in.nextInt(); temp = n; while (n > 0) 10 11 12 r = n % 10; n = n / 10; sum = (sum * 10)+r; assertTrue(787==sum); if(temp==sum) System.out.println(sum+" is palindrome number"); Problems @ Javadoc □ Declaration □ Console ♡ <terminated> palindrome [Java Application] C:\Program Files\Java\jre1.8.0_171\bin\javaw.exe (25-May-2023, 3:54:20 pm) 121 Exception in thread "main" java.lang.AssertionError at org.junit.Assert.fail(<u>Assert.java:86</u>) at org.junit.Assert.assertTrue(<u>Assert.java:41</u>) at org.junit.Assert.assertTrue(<u>Assert.java:52</u>) at sse.palindrome.main(palindrome.java:18)

RESULT

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