### 27. JUNIT TESTING TO CHECK WHETHER THE GIVEN STRING IS GETTING REVERSED OR NOT

#### J ASHOK REDDY

192011022

## **AIM**

To Perform Junit Testing to Check Whether the given string is getting Reversed or not

#### **PROGRAM**

```
package sse;
import static org.junit.Assert.assertEquals;
import java.util.Scanner;
public class reverse
{
       public static void main(String[] args)
{
       String str;
       char ch;
       Scanner sc=new Scanner(System.in);
       System.out.print("Enter a string : ");
       str=sc.nextLine();
       System.out.println("Reverse of a String ""+str+"" is :");
       for(int j=str.length();j>0;--j)
       {
               System.out.print(str.charAt(j-1));
       assertEquals("mani",str);
               }
       assertEquals("mani",str);
```

# **OUTPUT** arunk - sse/src/sse/reverse.java - Eclipse IDE File Edit Source Refactor Navigate Search Project Run Window Help [ ☆ ▼ 🔛 @ ] [ □ ] % [ ☆ ▼ Ø ▼ 💁 ▼ 🏰 ♥ Ø ▼ ] 🕸 Ø ▼ ] ಶ 😅 Ø ▼ [ 🍄 🗾 🕡 🗟 🗊 🗐 ¶ | ∰ ▼ 🖗 ▼ 🖒 ▼ 🗘 ▼ ដ Package Explorer 🛭 🕒 😘 🔻 🗀 🗓 junit1.java 🚨 reverse.java 🖾 🗋 username.java 🚨 intrest.java 🗘 palindrome.java 🗘 google.java 🗘 yahoo.java 📸 1 package sse; > 👺 sse 3 mport static org.junit.Assert.assertEquals; □ 5 **pt** 6 { public static void main(String[] args) String str; char ch; Scanner sc=new Scanner(System.in); System.out.print("Enter a string: "); str=sc.nextLine(); System.out.println("Reverse of a String '"+str+"' is :"); 13 14 15 16 17 18 19 20 21 22 for(int j=str.length();j>0;--j) { System.out.print(str.charAt(j-1)); ("===== str): 8 assertEquals("mani",str); assertEquals("mani",str); 26 } 27 28 Problems @ Javadoc Declaration □ Console Co <terminated> reverse [Java Application] C:\Program Files\Java\jre1.8.0\_171\bin\javaw.exe (25-May-2023, 3:36:46 pm) Enter a string : mani Reverse of a String 'mani' is : inam arunk - sse/src/sse/reverse.java - Eclipse IDE File Edit Source Refactor Navigate Search Project Run Window Help 🖺 Package Explorer 🛭 🕒 💲 🔻 🗖 🗓 junit1.java 🚨 reverse.java 🖾 jusername.java 🚨 intrest.java 🚨 palindrome.java 🚨 google.java 🚨 yahoo.java 🥞 > 📂 sqam 1 package sse; > 🎏 sse ${\tt 3 \circledast import \ static \ org.junit.} Assert. {\it assertEquals}; []$ 5 public class reverse 6 { public static void main(String[] args) 8 { String str; char ch; Scanner sc=new Scanner(System.in); System.out.print("Enter a string: "); **%**11 str=sc.nextLine(); str=sc.nextLine(); System.out.println("Reverse of a String '"+str+"' is :"); for(int j=str.length();j>0;--j) 16 17 18 System.out.print(str.charAt(j-1)); assertEquals("mani",str);

#### **RESULT**

Hence the Junit Testing to Check Whether the given string is getting Reversed or not performed successfully.

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}

Problems @ Javadoc Declaration □ Console Co

at sse.reverse.main(reverse.java:18)

Enter a string : Gowtham Reverse of a String 'Gowtham' is :

<terminated> reverse [Java Application] C:\Program Files\Java\jre1.8.0\_171\bin\javaw.exe (25-May-2023, 3:49:41 pm)

mException in thread "main" org.junit.ComparisonFailure: expected:<[mani]> but was:<[Gowtham]> at org.junit.Assert.assertEquals(<u>Assert.java:115</u>) at org.junit.Assert.assertEquals(<u>Assert.java:144</u>)