a Working of Junit to reverse a Working of Junit to reverse

(20)

unit ascert statements by comparing the severed value whith expected one

Program:

import Static orginal Assert assert Equals; import Java-util-Scanner; class Savcetta Test

Public Static Void main (String[] args) [
String Str;

Charch;

Scanner Sc = new Scanner (System. in);
System out Print In ("Reverse a String "+ str" + is";
for (int i = str.length ()", i >0; = -i) {

System. Outoprint (str. charAt (j-1));
assert Equals ("Rini", str);

assert Equals ("Prini", str);

output:

Input Actual output

Rivi iniR

Testcases:

Test case no: 1

Test case name: Expected one Same as octual

one

Remarks Actual Expected

Input = output output Sucesses

Rivi iniR inir

Test case no: ?

Test case have: Expected one Same as actual

one

Remarks Actual Expected

output Input = Faliure Output Rama a amak

Exprosis White box Testing to String Compassion of Word (Junit) Aim: To understand the working of Junit assert Statements by Comparing two strings Program: import Static org. junit . Assert - assert Equals; Import. Java. util. Scanner; Public class tained & Public Static Word main (string() args) of Scanner in = new Scanner (Systemoln); System. out. Println ("enter user name"); String stal = in nerthine (); System. out . Println (Reenter user name"); String Stra = In. nextdine(); assert Equals (stristra); } h vo output: Enter user name: Ame Enter user name: Ame Reenter user name:

Reenter user name: Ame

Equal

Amelia

Comparsion failure.

Explosis Junit for voting System 09 Aim: To understand the hoosterny of Junit Statements by checking the Voting age Program: Import Static org. junit. Assert assert True; import java · util · Scanner; class four 5 Public static void main (String[] args) { int age, Near; Scanner c = new Scanner (system. (n); System. out . println ("enter age"); age = Scau. nextIn(); if (age>=18) { System. out. Print In ["You can Note"); output: Enterage: 19 clse f You can vote Year = (18-age); System. out-Println ("You can vote after "year" years); assert True (age = = year);

Est No. 14 Simple Interset in Junit haite a program to calculates the Simple interest based on the Percentage rate Conditions and Merify assert True code import Static org. junit Assest assert True; Import lava util Scanner; class Interest T Public Static yord main (String () args) ? Scanner Sc = new Scanner (system.In) float p = Sc. next Float (): float R = Sc. next Float (); float T = Sc. next Float (); float SI = (P* (*R)) 100; System rout. Print ln ("simple interest = "+SI); assert True (3600 == SI); output: 600 600 Simple Interest = 3600.0

Aim: To check Muether the given number is Palindrome or not and verify the result Using assert True code Program: import java. util. Scanner; import static org. junit-Assert-assertTrue; Public class Palindrome; { V 4 ... Public static void main (string args[]) [Scanner in : new Scanner (system.in); int r, Sum=o, temp; int n= in next Int (); output : 1 hluile (nzo) of 787 r=n d.lo; n=h lio; Sum = (sum * 10) +8; 3 787 is Palindrone System.out. Print In (sum); number. assert (787 == Sum) ", if (temp== sum) System. out Println (sum+ is palindrane number); system.out. println | sum +" is not Palindome else number"); } {

Explo: Decimal to Binary conversion and Octal in Junit To convert the decimal number to it equivalent binary number and octal number and the output values verified using Assert code Program: impost Java. util. Scanner; Class binary of Public Static void main (stringer) args) [Scanner in = new Scanner (System.in); int decimal = in. next Into; String binary = Integer. to Binary String (decimal); Systameat. Print In ("Binary Is" At Lainary); Systemicout Print ("ocal is"); system out printen (Integer to Octal String (decimal)); assert True (14==documal); old put: Binasy is 1110 Octal is 16