

Exp. 11

Demonstrate the working of JUnit to Reverse a word and using assert.

```
Import static Org.Unit. Assert assertEquals  
Import java.util. Scanner;  
class Sweettha Test
```

```
{  
    public static void main (String [] args)  
{  
    String Str;  
    char ch;  
    Scanner sc = new Scanner (System.in) ;  
    System.out.print ("Enter a String")  
    Str = sc.next line();  
    ("Reverse of a String" + Str " is :");  
    {  
        assert equals ("mani" Str),
```

OUTPUT

Input  
mani

Actual Output  
inam

Test Case 1

Input mani

Expected inam

Remark  
Success

Test Case 2

Input : Amaa

Expected Rama

Remarks  
Failure

Exp no: 12

Write a while box testing Code its String comparison of word and using assert statement for Proof Value.

Import Static Org Unit Assert Equals

Import Java Util Scanner

public class Thrid {

public static void main

{

Scanner in = new Scanner

System.out.print

String str1 = nextLine()

String str2 = in.nextLine()

assert Equals (str1, str2)

}

}

Output:

Enter the User name

Ame

Reenter the User name

Ame.

Exp: 13

Qp: 13  
Write a Java Code for Voting System and uses assert statement and verify white box setting.

Aim: To understand the Work of Joint True Statements by checking the Voting age.

Import static: org junit, Assert. Assed Time

Import Java Util Scanner  
class four

```
{ public static void main (String [] args)
```

```
int age; short;
```

```
int age, shrt;
Scanner scan = new Scanner(System.in);
// Welcome to Vols
```

```
Scanner scan = new Scanner (System.in);
System.out.println ("Welcome to Voting System You  
can vote");
```

3

short (18-ages)

Output:

please enter your age

19

You Can Vote.

Exp: 44

Aim: Calculate Simple Interest based on 7.

Import static org.junit.Assert True

Import java.util.Scanner

class Interest

{  
public static void main (String[] args)

{  
Scanner sc = new Scanner (System.in)

float SI = (P \* T \* R) / 100

}

Output:

600

600

1

Simple Interest : 3600

600

60

3

Simple Interest : 1080.

## Exp: 15

Aim: check number is palindrome

Input: Java Util Scanner

Import Static org.jurist. Assert. Assert time

public class. palindrome

{  
public static void (String args)

{  
Scanner in = new Scanner (System.in);

int r sum = 0; temp int a; next int ();

while (n > 0)

{  
r = n % 10; n = n / 10

sum = (sum \* 10) + r

}  
if (temp == sum)

System.out.println(sum + " is not palindrome");

## Output:

787

787 is a Palindrome Number

## Exp: 16

Aim: Convert Decimal to its equivalent binary number and octal number

```
Import Static Org.junit .Assert .Assert True,
```

```
Import Java Util Scanner
```

```
class binary
```

```
{
```

```
public static void main (String [] args)
```

```
{ Scanner in = new Scanner (System.in);
```

```
int decimal = in.nextInt();
```

```
System.out.println "Binary is" + binary
```

```
System.out.print ("Octal is")
```

```
assert True (n = decimal)
```

```
}
```

```
}
```

## Output:

14

Binary is 1110

Octal 16.