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

MANOJ P

192011146

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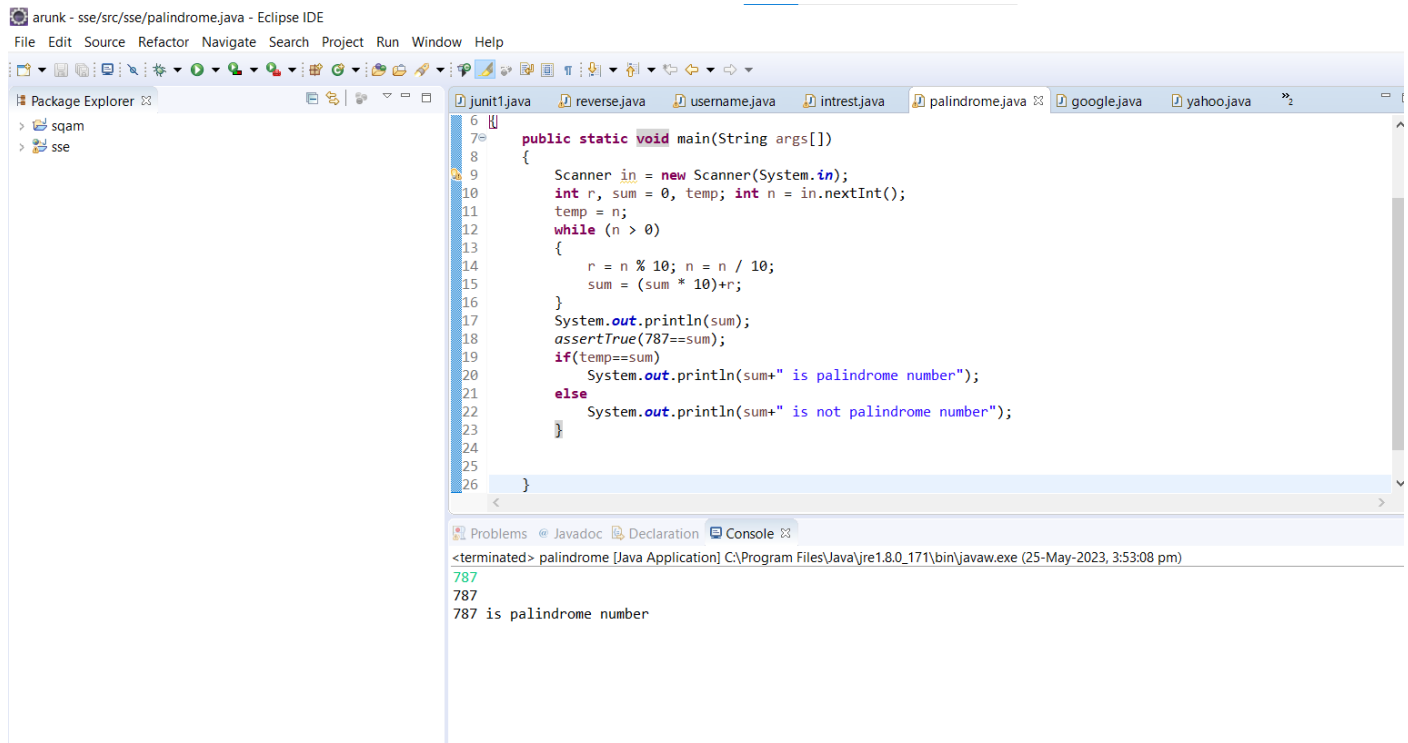
To Perform junit Testing to Check Whether the given number is palindrome or not.

PROGRAM

```java
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");
    }

}
```
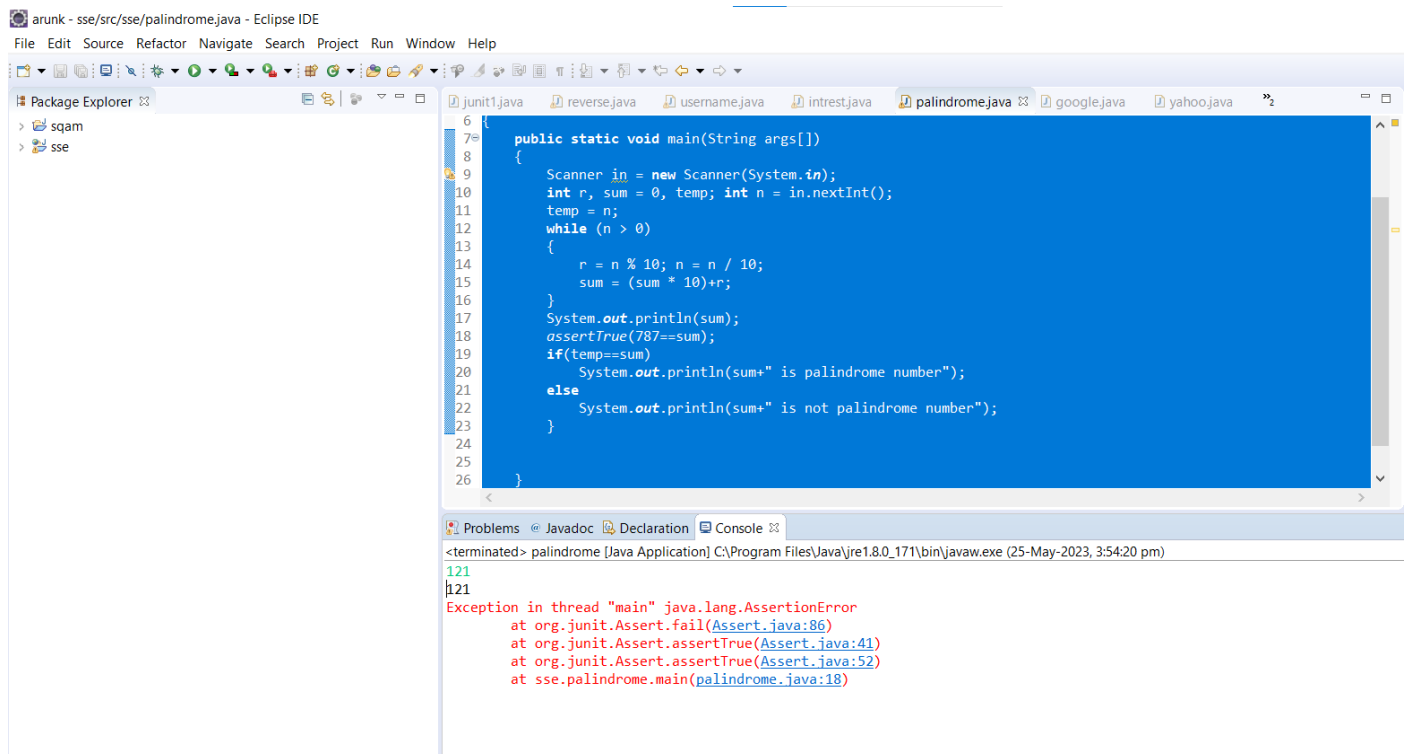
OUTPUT

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

> sqam
> sse

```java
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");
}

}
```

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
787
787 is palindrome number
```

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

> sqam
> sse

```java
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");
}

}
```

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
121
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.