

EXPERIMENT 30:JUNIT FOR PALINDROME OR NOT

CODE:

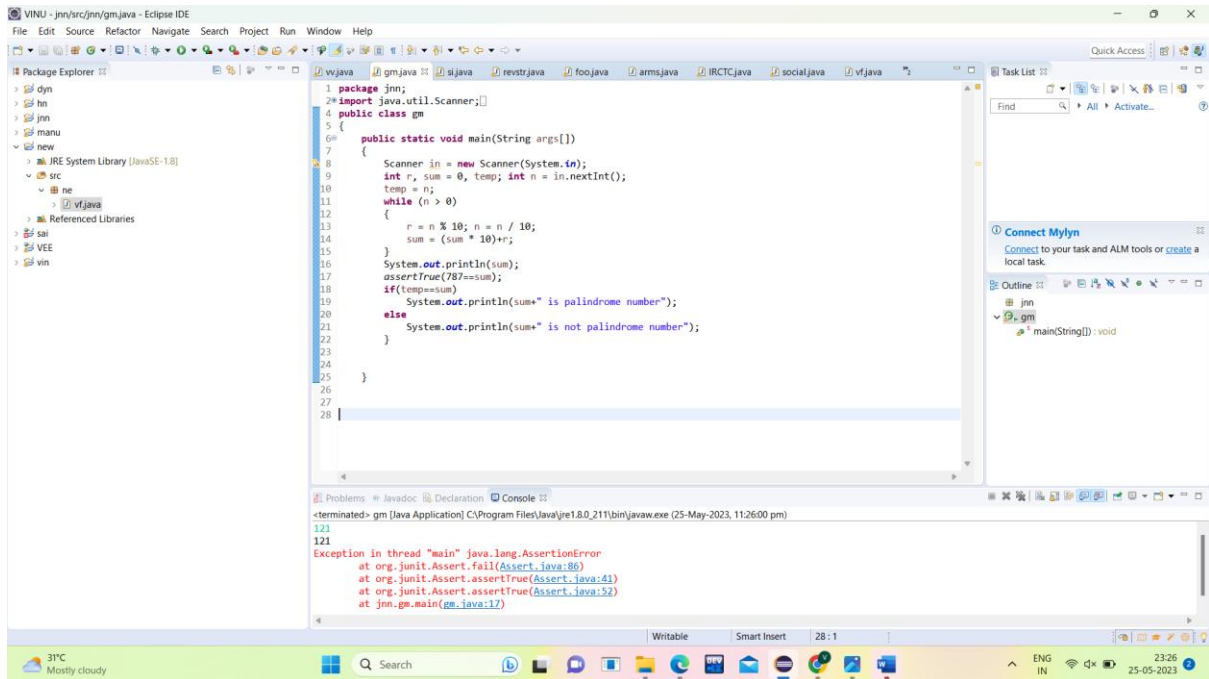
```
package jnn;

import java.util.Scanner;

import static org.junit.Assert.assertTrue;

public class gm
{
    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:



The screenshot displays the Eclipse IDE interface. The main editor shows a Java file named `gm.java` with the following code:

```
1 package jnn;
2 import java.util.Scanner;
3
4 public class gm
5 {
6     public static void main(String args[])
7     {
8         Scanner in = new Scanner(System.in);
9         int r, sum = 0, temp; int n = in.nextInt();
10        temp = n;
11        while (n > 0)
12        {
13            r = n % 10; n = n / 10;
14            sum = (sum * 10) + r;
15        }
16        System.out.println(sum);
17        assertTrue(787==sum);
18        if(temp==sum)
19            System.out.println(sum+" is palindrome number");
20        else
21            System.out.println(sum+" is not palindrome number");
22        }
23    }
24 }
25
26
27
28
```

The Package Explorer on the left shows the project structure, including the `jnn` package and its source files. The Console window at the bottom displays the output of the program, which has terminated with an exception:

```
<terminated> gm [Java Application] C:\Program Files\Java\jre1.8.0_211\bin\javaw.exe (25-May-2023, 11:26:00 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 jnn.gm.main(gm.java:17)
```

The status bar at the bottom indicates the system temperature is 31°C, the weather is mostly cloudy, and the date is 25-05-2023.