

## 28. Junit Testing to Check Whether the given Username is Valid or not

### AIM

To Perform junit Testing to Check Whether the given Username is Valid or not

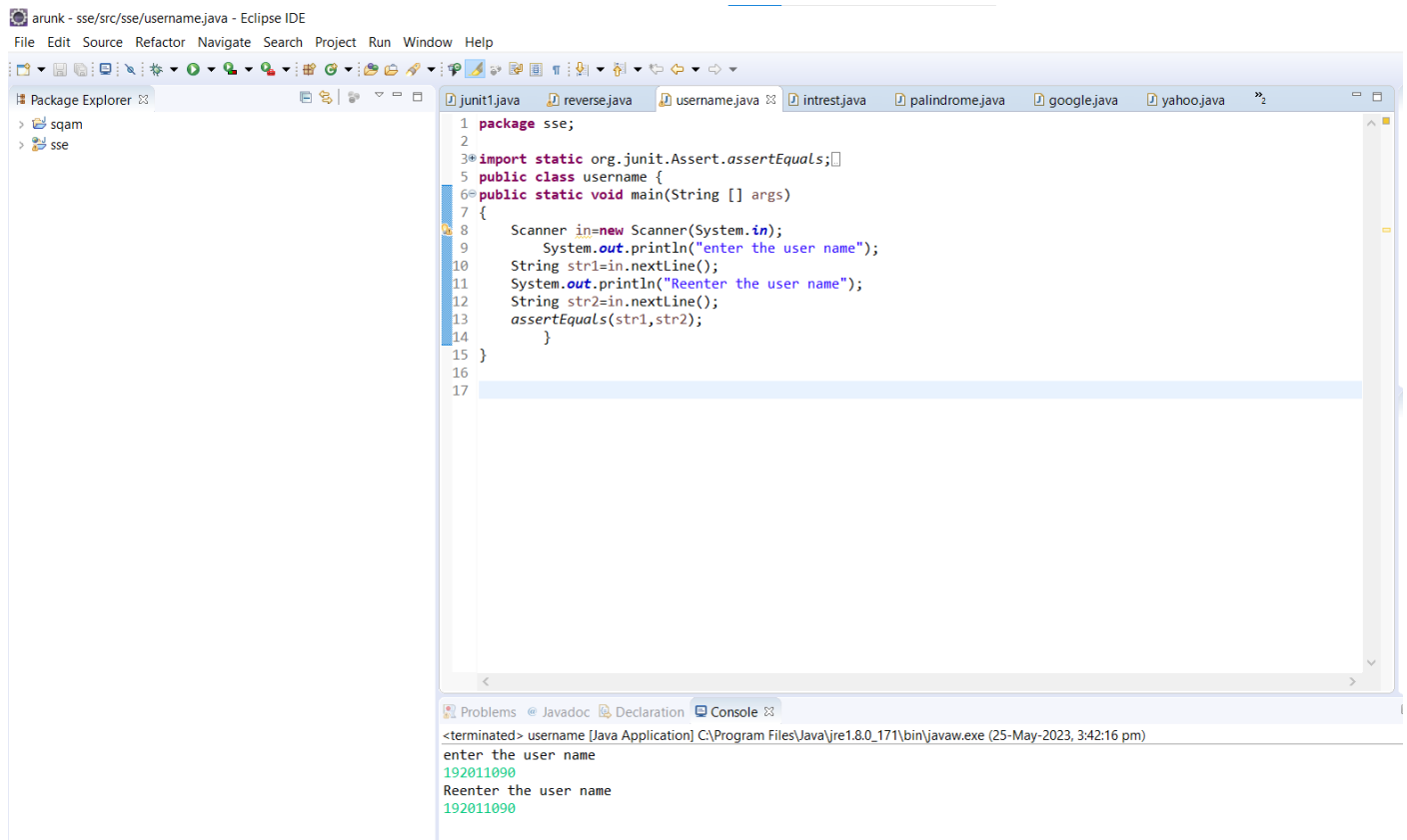
### PROGRAM

```
package sse;

import static org.junit.Assert.assertEquals;
import java.util.Scanner;

public class username {
    public static void main(String [] args)
    {
        Scanner in=new Scanner(System.in);
        System.out.println("enter the user name");
        String str1=in.nextLine();
        System.out.println("Reenter the user name");
        String str2=in.nextLine();
        assertEquals(str1,str2);
    }
}
```

# OUTPUT

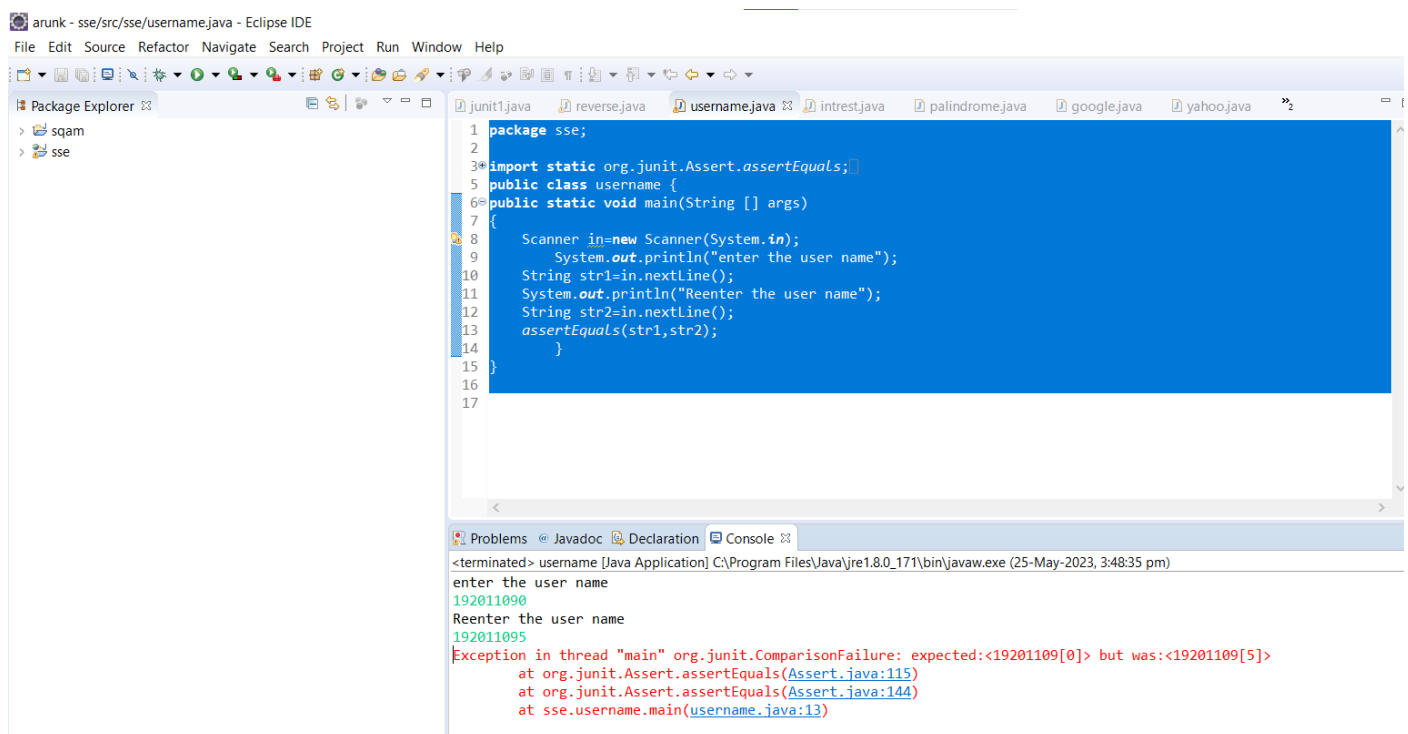


The screenshot shows the Eclipse IDE with the file `username.java` open. The code defines a package `sse` and a class `username` with a `main` method. The `main` method uses `Scanner` to read two lines of input and asserts they are equal. The console output shows the program running successfully, with the input "192011090" entered twice and the assertion passing.

```
1 package sse;
2
3 import static org.junit.Assert.assertEquals;
4
5 public class username {
6     public static void main(String [] args)
7     {
8         Scanner in=new Scanner(System.in);
9         System.out.println("enter the user name");
10        String str1=in.nextLine();
11        System.out.println("Reenter the user name");
12        String str2=in.nextLine();
13        assertEquals(str1,str2);
14    }
15 }
16
17
```

Console Output:

```
<terminated> username [Java Application] C:\Program Files\Java\jre1.8.0_171\bin\javaw.exe (25-May-2023, 3:42:16 pm)
enter the user name
192011090
Reenter the user name
192011090
```



The screenshot shows the Eclipse IDE with the file `username.java` open. The code is the same as in the previous screenshot. The console output shows the program running, but it fails at the assertion step because the two input strings are not equal. The exception message indicates that the expected value was `<19201109[0]>` but the actual value was `<19201109[5]>`.

```
1 package sse;
2
3 import static org.junit.Assert.assertEquals;
4
5 public class username {
6     public static void main(String [] args)
7     {
8         Scanner in=new Scanner(System.in);
9         System.out.println("enter the user name");
10        String str1=in.nextLine();
11        System.out.println("Reenter the user name");
12        String str2=in.nextLine();
13        assertEquals(str1,str2);
14    }
15 }
16
17
```

Console Output:

```
<terminated> username [Java Application] C:\Program Files\Java\jre1.8.0_171\bin\javaw.exe (25-May-2023, 3:48:35 pm)
enter the user name
192011090
Reenter the user name
192011095
Exception in thread "main" org.junit.ComparisonFailure: expected:<19201109[0]> but was:<19201109[5]>
    at org.junit.Assert.assertEquals(Assert.java:115)
    at org.junit.Assert.assertEquals(Assert.java:144)
    at sse.username.main(username.java:13)
```

# RESULT

Hence the junit Testing to Check Whether the given Username is Valid or not performed successfully.