

## 28. JUNIT TESTING TO CHECK WHETHER THE GIVEN USERNAME IS VALID OR NOT

**J ASHOK REDDY**

**192011022**

### **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");

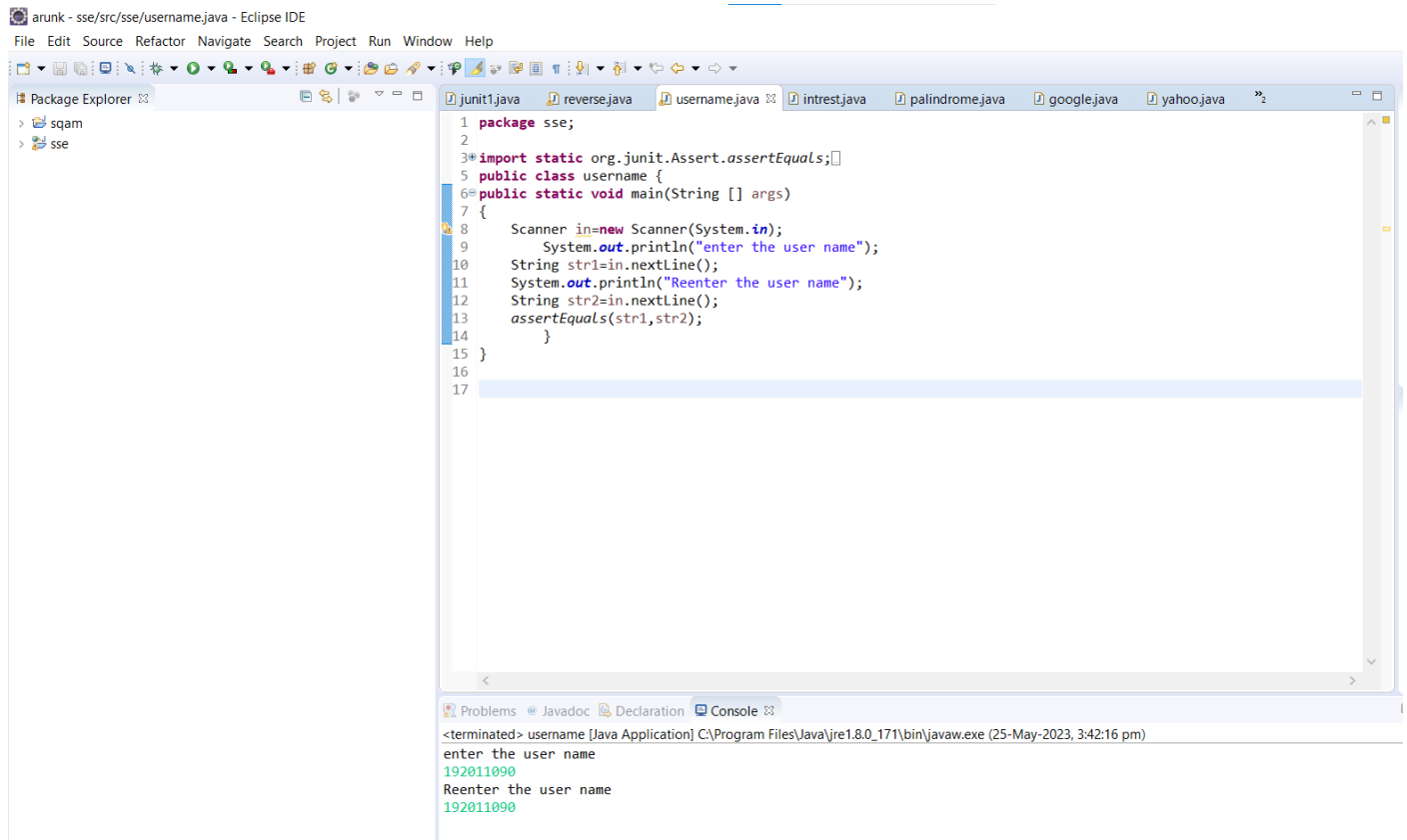
        String str2=in.nextLine();

        assertEquals(str1,str2);

    }

}
```

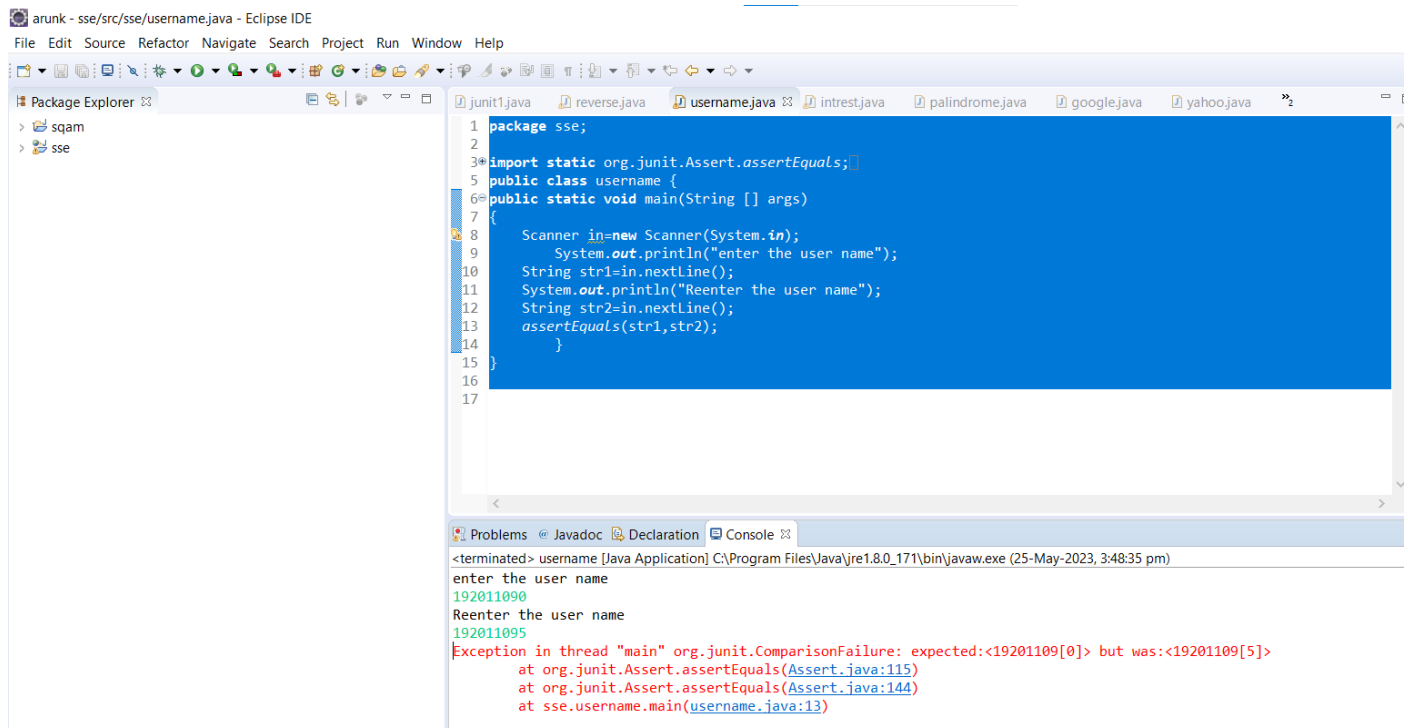
## OUTPUT



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 that prompts the user to enter a name twice and asserts that the two inputs are equal. The Package Explorer on the left shows the project structure with `sqam` and `sse` packages. The Console window at the bottom displays the output of the program: `<terminated> username [Java Application] C:\Program Files\Java\jre1.8.0_171\bin\javaw.exe (25-May-2023, 3:42:16 pm)`, followed by the prompts `enter the user name` and `Reenter the user name`, and the input `192011090` entered twice.

```
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
```

`<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 Package Explorer on the left shows the project structure. The Console window at the bottom displays the output of the program, including the prompts `enter the user name` and `Reenter the user name`, and the input `192011090` entered twice. However, an exception is thrown: `Exception in thread "main" org.junit.ComparisonFailure: expected:<19201109[0]> but was:<19201109[5]>`, indicating that the two inputs were not equal.

```
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
```

`<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.