

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

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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");

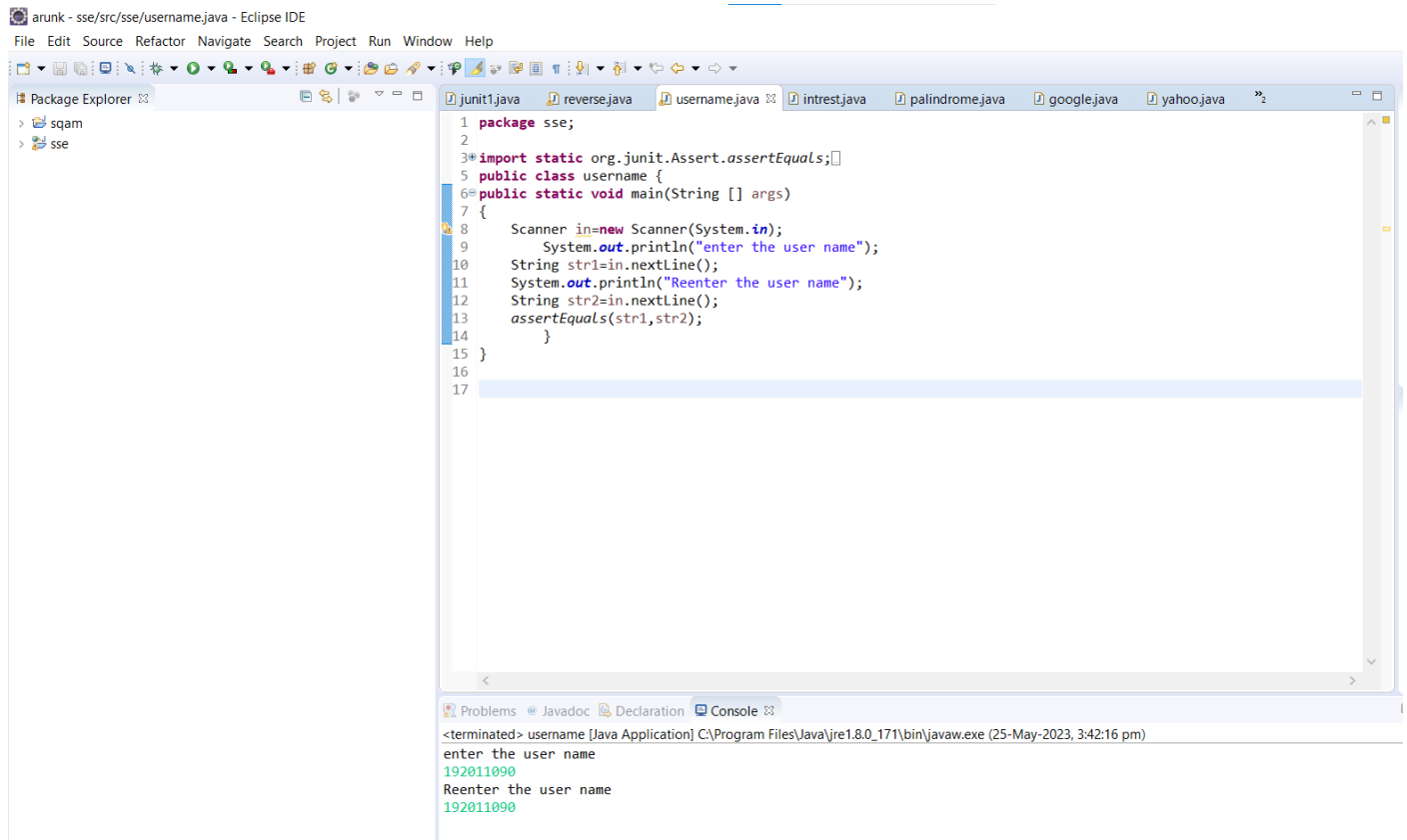
        String str2=in.nextLine();

        assertEquals(str1,str2);

    }

}
```

OUTPUT



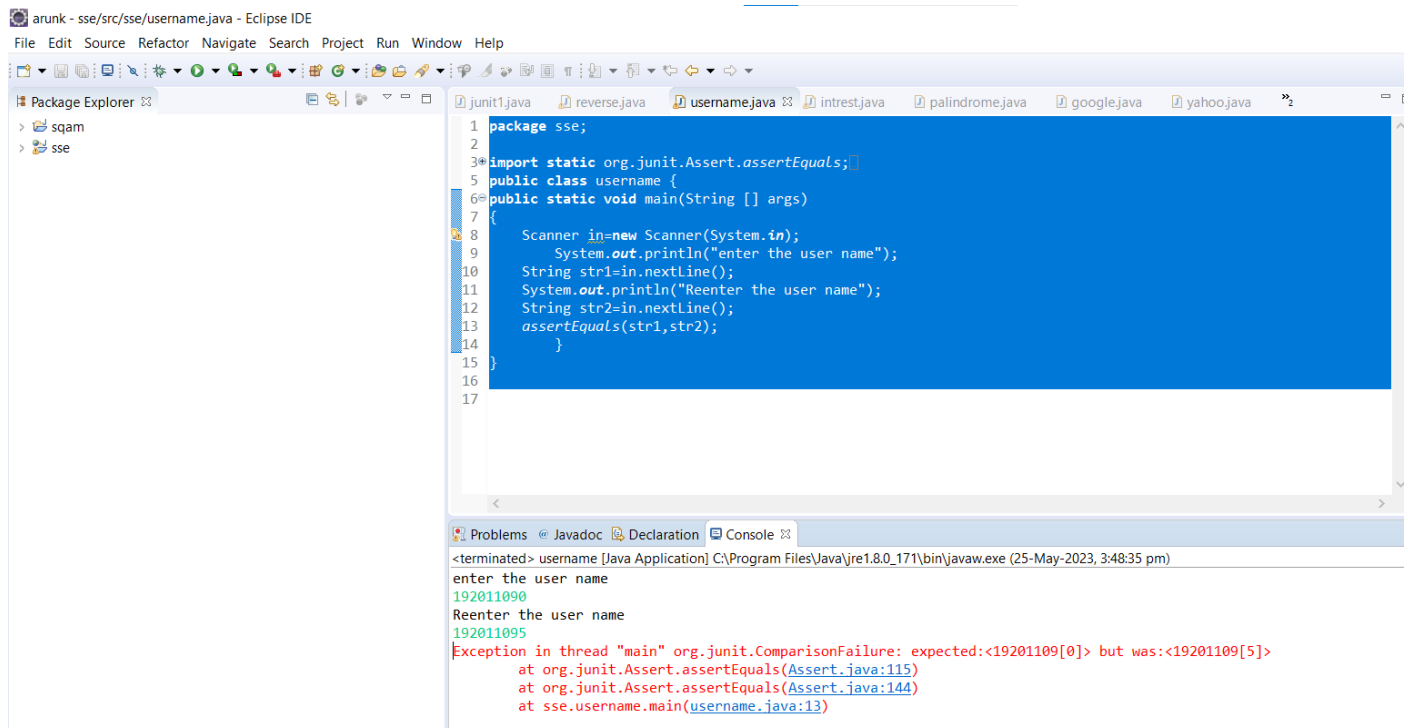
The screenshot shows the Eclipse IDE with the file `username.java` open. The code defines a package `sse` and a class `username` with a `main` method that prompts the user to enter a name twice and asserts that the two inputs are equal. The Package Explorer on the left shows the project structure with `sqam` and `sse` packages. The Console at the bottom displays the output of the Java application, showing the prompts and the input `192011090` entered twice. The JUnit test results are not visible, indicating a successful pass.

```
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
```

Problems Javadoc Declaration Console

<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 identical to the previous screenshot. The Package Explorer on the left shows the project structure. The Console at the bottom displays the output of the Java application, showing the prompts and the input `192011090` entered twice. However, the JUnit test results show a failure: `Exception in thread "main" org.junit.ComparisonFailure: expected:<19201109[0]> but was:<19201109[5]>`. The stack trace indicates the failure occurred at `org.junit.Assert.assertEquals` in `Assert.java:115`, `Assert.java:144`, and `sse.username.main` in `username.java:13`.

```
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
```

Problems Javadoc Declaration Console

<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.