

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");

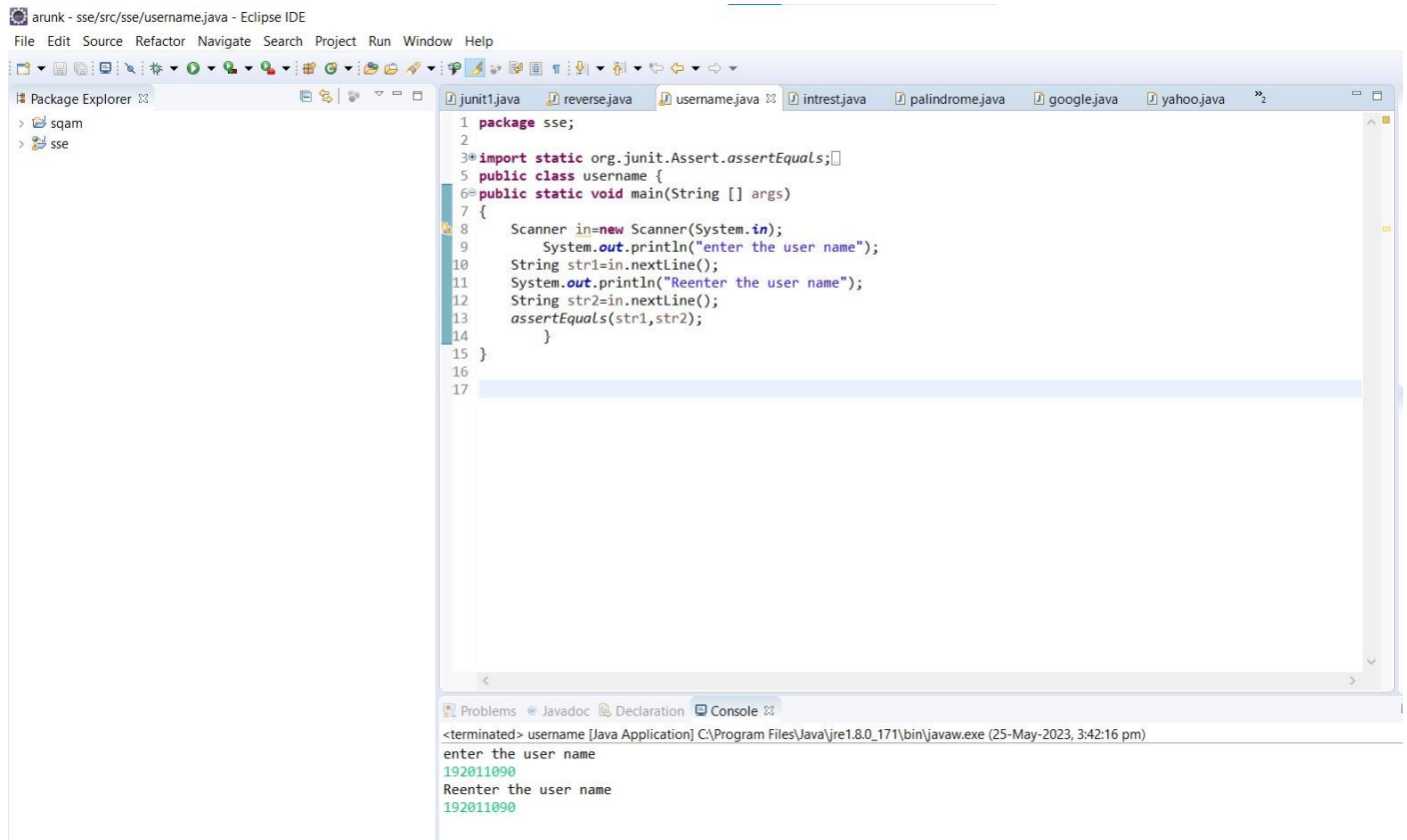
        String str2=in.nextLine();

        assertEquals(str1,str2);

    }

}
```

OUTPUT

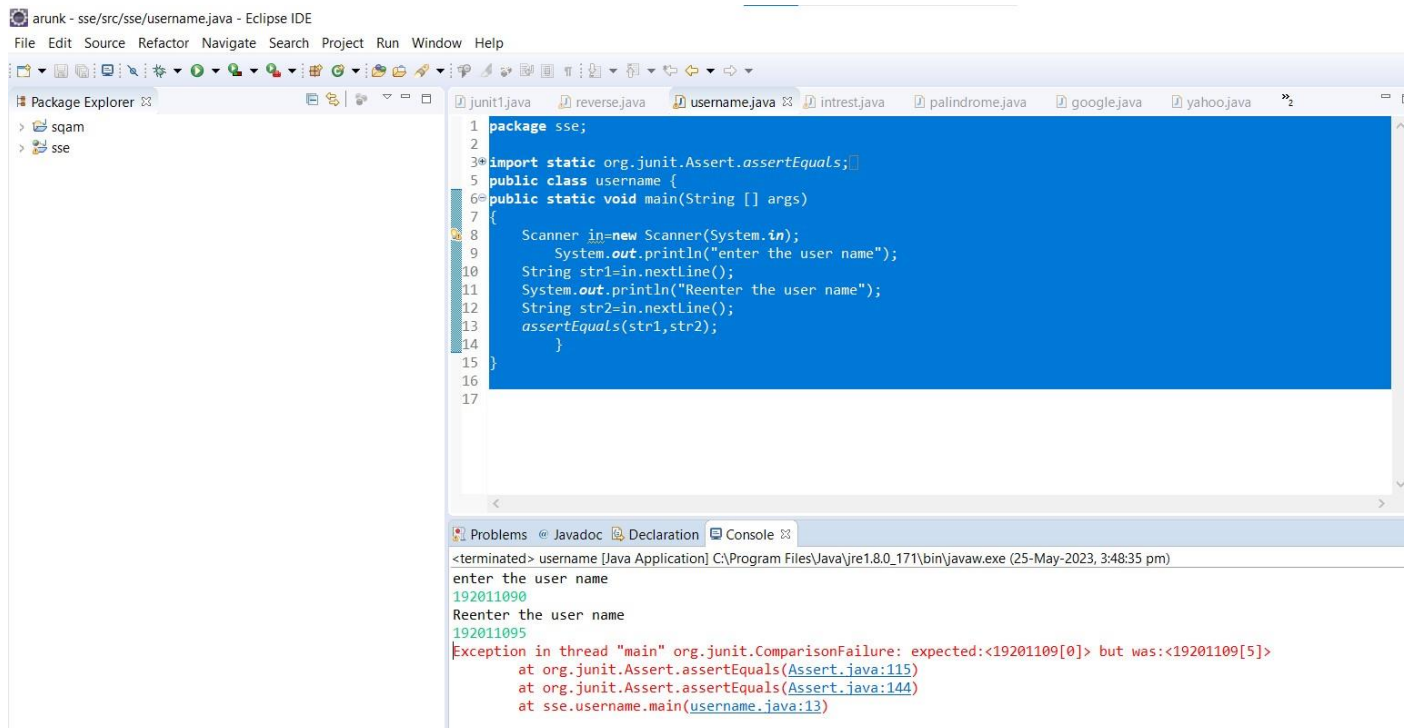


The screenshot shows the Eclipse IDE with the file `username.java` open. The code defines a package `sse` and a class `username` with a `main` method that uses `Scanner` to read two lines of input and asserts they are equal. The console output shows the program running successfully, with the input "192011090" entered twice and no exception.

```
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 identical to the previous one. However, the console output shows an exception: `org.junit.ComparisonFailure: expected:<19201109[0]> but was:<19201109[5]>`. This indicates that the test failed because the second input "192011095" did not match the first input "192011090".

```
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.