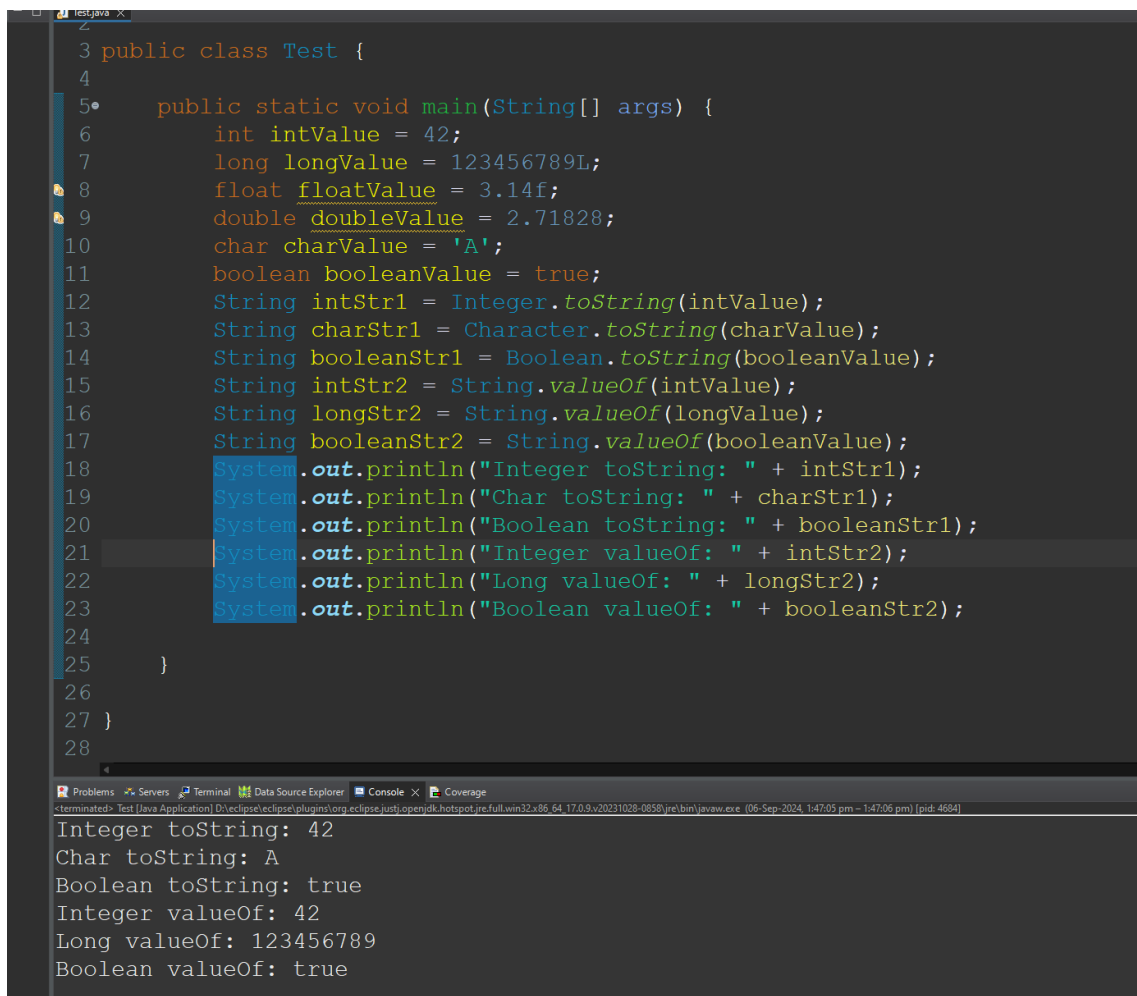Q8] Conversion between Primitive Types and Strings

- Initialize a variable of each primitive type with a user-defined value and convert it into String:

o First, use the toString method of the corresponding wrapper class. (e.g.,Integer.toString()).

o Then, use the valueOf method of the String class. (e.g., String.valueOf()).

$\Rightarrow$

```java
public class Test {

    public static void main(String[] args) {
        int intValue = 42;
        long longValue = 123456789L;
        float floatValue = 3.14f;
        double doubleValue = 2.71828;
        char charValue = 'A';
        boolean booleanValue = true;
        String intStr1 = Integer.toString(intValue);
        String charStr1 = Character.toString(charValue);
        String booleanStr1 = Boolean.toString(booleanValue);
        String intStr2 = String.valueOf(intValue);
        String longStr2 = String.valueOf(longValue);
        String booleanStr2 = String.valueOf(booleanValue);
        System.out.println("Integer toString: " + intStr1);
        System.out.println("Char toString: " + charStr1);
        System.out.println("Boolean toString: " + booleanStr1);
        System.out.println("Integer valueOf: " + intStr2);
        System.out.println("Long valueOf: " + longStr2);
        System.out.println("Boolean valueOf: " + booleanStr2);
    }

}
```

Problems Servers Terminal Data Source Explorer Console × Coverage
<terminated> Test (Java Application) D:\eclipse\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe (06-Sep-2024, 1:47:05 pm – 1:47:06 pm) [pid: 4684]

```
Integer toString: 42
Char toString: A
Boolean toString: true
Integer valueOf: 42
Long valueOf: 123456789
Boolean valueOf: true
```