System Requirements Specification Index

For

Primitive and Non-Primitive Types and Print

Version 1.0

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1 Project Abstract

Primitive and Non-Primitive is a console-based Java application that demonstrates the declaration and usage of primitive and non-primitive data types. The program prints out the values of these variables to the console, showcasing the differences in their types and structure.

2 Assessment Tasks

1. **Declare 3 variables:**
   - **Primitive Types:**
     - I. A variable named `num1` of `int` datatype, initialized with the value `10`.
     - II. A variable named `letter` of `char` datatype, initialized with the value `'A'`.
   - **Non-Primitive Type:**
     - I. A variable named `name` of `String` datatype, initialized with the value `"John"`.
2. **Print the Variables:**
   - Print the values of the `int`, `char`, and `String` variables in separate lines with appropriate labels as shown in the expected output.
3. **Expected Output:**

```
Primitive int: 10

Primitive char: A

Non-primitive String: John
```

3 Template Code Structure

3.1 Package: com.yaksha.assignment.PrimitiveNonPrimitiveAssignment

Resources

Class/Interface	Description	Status
PrimitiveNonPrimitiveAssignment (class)	● Main class containing the logic to declare, initialize, and print variables.	Need to be implemented.

4 Execution Steps to Follow

1. **All actions like build, compile, running application, running test cases will be through Command Terminal.**
2. **To open the command terminal the test takers, need to go to Application menu (Three horizontal lines at left top) Terminal New Terminal.**
3. **This editor Auto Saves the code.**
4. **If you want to exit(logout) and continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use CTRL+Shift+B-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.**
5. **These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.**
6. **To run your project use command:**

   ```
   mvn compile exec:java
   -Dexec.mainClass="com.yaksha.assignment.PrimitiveNonPrimitiveAssignment"
   ```

7. **To test your project test cases, use the command**

   ```
   mvn test
   ```

8. **You need to use CTRL+Shift+B - command compulsorily on code IDE, before final submission as well. This will push or save the updated contents in the internal git/repository, and will be used to evaluate the code quality.**