System Requirements Specification Index

For

Primitive and Non-Primitive Types and Print

Version 1.0

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System Requirements Specification

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. **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.**
5. **To run your project use command:**
   sudo JAVA_HOME=$JAVA_HOME /usr/share/maven/bin/mvn compile exec:java -Dexec.mainClass="com.yaksha.assignment.PrimitiveNonPrimitiveAssignment"

   ***If it asks for the password, provide password : pass@word1**
6. **To test your project test cases, use the command**
   sudo JAVA_HOME=$JAVA_HOME /usr/share/maven/bin/mvn test

   ***If it asks for the password, provide password : pass@word1**