System Requirements Specification Index

For

Assignment Operators

Version 1.0

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1 PROJECT ABSTRACT

Create a Java program to demonstrate the use of assignment operators: =, +=, -=, *=, /=, etc. You will declare variables, modify them using assignment operators, and print the results after each modification.

2 ASSESSMENT TASKS

1. **Declare 2 variables:**
   - A variable named x of `int` datatype, initialized with the value 5.
   - A variable named y of `double` datatype, initialized with the value 15.5.

2. **Apply Assignment Operators:**

   Perform the following assignment operations on the declared variables:

   - Add 5 to x using the += operator.
   - Subtract 5.5 from y using the -= operator.
   - Multiply x by 2 using the *= operator.
   - Divide y by 2 using the /= operator.

3. **Print the Results:**
   - Print the results of the assignment operations i.e, x and y with appropriate labels in separate lines as shown in the expected output.

4. **Expected Output:**

   Assigned x: 20

   Assigned y: 5.0

3 TEMPLATE CODE STRUCTURE

3.1 PACKAGE: COM.YAKSHA.ASSIGNMENT.ASSIGNMENTOPERATORSASSIGNMENT

Resources

Class/Interface	Description	Status
AssignmentOperatorsAssignment (class)	• Main class containing the logic to apply and demonstrate assignment operators (=, +=, -=, *=, /=).	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.AssignmentOperatorsAssignment"
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.