| Test Case | Feature | Description | Steps | Test Data | Expected Results | Actual Result | Status |
|---|---|---|---|---|---|---|---|
| 1 | Pretest | Gets questions for the Pretest | Start the pretest the questions show up | "Which of the following lines is not a Java comment?","Which of the following are not reserved words?", "Every statement in java ends with _____.", "If a program compiles fine, but it produces incorrect result, then the program suffers _____.", "If you forget to put a closing quotation mark on a string, what kind error will be raised?", "The keywords in Java are all in lowercase.", "_____ is the code with natural language mixed with Java code.", "Which of the following is a valid identifier?", "To declare an int variable number with initial value 2, you write _____.", "What is the value of (double)5/2?" | The array is filled with Pretest Questions | The array is filled with Pretest Questions | pass |
| 2 | Pretest | Gets answer choices | Pretest choices show up | "-- comments", "/** comments */", "// comments", "/* comments */" | Pretest choices show up | Pretest choices show up | pass |
| 3 | Pretest | retreive lesson for level 1 | | Introductory Lesson", "What is programming?", "Programming is the process of breaking down a large, complex task into smaller and smaller subtasks. The process continues until the subtasks are simple enough to be performed with the basic instructions provided by the computer." | Lesson 1 Level 1 Questions show up | Lesson 1 Level 1 Questions show up | pass |
| 4 | Pretest | retreive lesson for level 2 | | "Boolean Data Types and If Statements", "What are boolean data types and ff statements?", "A boolean data type is a data type that has a value of either true or false. An if statement is a boolean conditional expression that if proved true, executes a statement or series of statements inside its corresponding braces." | Lesson 1 Level 2 Questions show up | Lesson 1 Level 2 Questions show up | pass |
| 5 | Pretest | retreive lesson for level 3 | | "Common Mathematical Functions", "What are common mathematical functions?", "Common mathematical functions in java are functions more advanced than addition, subtraction, multiplication and division. These methods come from the java.lang.Math class and can be used for functions such as square root, sine, absolute value, etc." | Lesson 1 Level 3 Questions show up | Lesson 1 Level 3 Questions show up | pass |
| 6 | Pretest | retreive lesson for level 4 | | "While Loops", "What are while loops?", "A while loop is a flow that repeatedly executes a statement or series of statements until the boolean condition stated before it is no longer true." | Lesson 1 Level 4 Questions show up | Lesson 1 Level 4 Questions show up | pass |
| 7 | Pretest | retreive lesson for level 5 | | "Defining and Calling Methods/Void Methods", "What does it mean to define and/or call a method?", "Defining a method is when a method is created by specifying its access type, return type, name, parameters and body. A method call is when a method name is stated and the appropriate parameters are supplied to it. This takes the previously created method and tells it to execute its body and return the resulting value if appropriate." | Lesson 1 Level 5 Questions show up | Lesson 1 Level 5 Questions show up | pass |
| 8 | Pretest | retreive lesson for level 6 | | "Array Basics", "What are Array Basics?", "This lesson will present the basics of arrays such as their declaration, initialization and the basic functions performed on them." | Lesson 1 Level 6 Questions show up | Lesson 1 Level 6 Questions show up | pass |