Test Case	Feature	Description	Steps	Test Data	Expected Results	Actual Result	Status
1	lesson	array of lesson question level 1	retrieve questions in the array	"Suppose a Scanner object is created as follows: \n \n Scanner input = new Scanner(System.in); \n \n What method do you use to read an int value?\n",	Questions transfer	Question transfer	pass
				"If you enter 1 2 3, when you run this program, what will be the output? \n \n import java.util.Scanner; \n \n public class Test1 { \n public static void main(String[] args) { \n Scanner input = new Scanner(System.in); \n System.out.print(\"Enter three numbers: \"); \n double number1 = input.nextDouble(); \n double number2 = input.nextDouble(); \n double number3 = input.nextDouble(); \n \n double average = (number1 + number2 + number3) / 3; \n \n System.out.println(average); \n } \n }",			
				"What is the exact output of the following code? \n \n double area = 3.5; \n System.out.print(\"area\"); \n System.out.print (area);",			
				"Which of the following are correct names for variables according to Java naming conventions?",			
				"Which of the following are correct ways to declare variables?",			
				"To improve readability and maintainability, you should declare _________ instead of using literal values such as 3.14159.",			
				"To assign a value 1 to variable x, you write",			
				"Which of the following are not valid assignment statements?",			
				"____________ is the Java assignment operator.",			
				"To declare a constant MAX_LENGTH inside a method with value 99.98, you write"			
2	lesson	array of lesson question level 2	retrieve questions in the array	"The equal comparison operator in Java is _________.",	Questions transfer	Questions transfer	pass
				"In Java, the word true is ________.",			
				"Which of the following code displays the area of a circle if the radius is positive.",			
				"Suppose x = 1, y = -1, and z = 1. What is the printout of the following statement? \n \n (Please indent the statement correctly first.) \n if (x > 0) \n if (y > 0) \n System.out.println(\"x > 0 and y > 0\"); \n else if (z > 0) \n System.out.println(\"x < 0 and z > 0\");",			
				"Analyze the following code: \n \n boolean even = false; \n if (even = true) { \n System.out.println(\"It is even!\"); \n }",			
				"Suppose isPrime is a boolean variable, which of the following is the correct and best statement for testing if isPrime is true.",			
				"Analyze the following code. \n \n boolean even = false; \n if (even) { \n System.out.println(\"It is even!\"); \n }",			
				"The following code displays ___________. \n \n double temperature = 50; \n if (temperature >= 100) \n System.out.println(\"too hot\"); \n else if (temperature <= 40) \n System.out.println(\"too cold\"); \n else \n System.out.println(\"just right\");",			
				"Suppose income is 4001, what is the output of the following code: \n \n if (income > 3000) { \n System.out.println(\"Income is greater than 3000\"); \n } \n else if (income > 4000) { \n System.out.println(\"Income is greater than 4000\");",			
				"Analyze the following code: \n \n Code 1: \n int number = 45; \n boolean even; \n if (number % 2 == 0) \n even = true; \n else \n even			
3	lesson	array of lesson question level 3	retrieve questions in the array	"What is Math.round(3.6)?",	Questions transfer	Questions transfer	pass
				"What is Math.rint(3.6)?",			
				"What is Math.rint(3.5)?",			
				"What is Math.ceil(3.6)?",			
				"What is Math.floor(3.6)?",			
				"To obtain the sine of 35 degrees, use _______.",			
				"To obtain the arc sine of 0.5, use _______.",			
				"Math.sin(Math.PI) returns _______.",			
				"Math.asin(0.5) returns _______.",			
				"Math.cos(Math.PI) returns _______."			
4	lesson	array of lesson question level 4	retrieve questions in the array	"How many times will the following code print \"Welcome to Java\"? \n \n int count = 0; \n while (count < 10) { \n System.out.println(\"Welcome to Java\"); \n count++; \n }",	Questions transfer	Questions transfer	pass
				"Analyze the following code. \n \n int count = 0; \n while (count < 100) { \n // Point A \n System.out.println(\"Welcome to Java!\"); \n count++; \n // Point B \n } \n // Point C",			

				"How many times will the following code print \"Welcome to Java\"? \n \n int count = 0; \n while (count++ < 10) { \n System.out.println(\"Welcome to Java\"); \n }",			
				"Analyze the following fragment: \n \n double sum = 0 \n double d = 0 \n while (d != 10.0) { \n d += 0.1; \n sum += sum + d; \n }",			
				"What is the value of balance after the following code is executed? \n \n int balance = 10; \n while (balance >= 1){ \n if (balance < 9) break; \n balance = balance - 9; \n }",			
				"What is the output of the following fragment? \n \n int i = 1 \n int j = 1; \n while (i < 5) { \n i++; \n j = j * 2; \n }",			
				"Suppose cond1 is a Boolean expressions. When will this while condition be true? \n while (cond1) ...",			
				"Analyze the following code. \n \n int x = 1; \n while (0 < x) && (x < 100) \n System.out.println(x++);",			
				"What balance after the following code is executed? \n \n int balance = 10; \n while (balance >= 1) { \n if (balance < 9) continue; \n balance = balance - 9; \n }"			
5	lesson	array of lesson question level 5	retrieve questions in the array	"Suppose your method does not return any value, which of the following keywords can be used as a return type?",	Questions transfer	Questions transfer	pass
				"The signature of a method consists of _____.",			
				"All Java applications must have a method _____.",			
				"Arguments to methods always appear within _____.",			
				"Each time a method is invoked, the system stores parameters and local variables in an area of memory, known as _____, which stores elements in last-in first-out fashion.",			
				"Which of the following should be defined as a void method?",			
				"You should fill in the blank in the following code with _____. \n \n public class Test { \n public static void main(String[] args) { \n System.out.print(\"The grade is \"); \n printGrade(78.5); \n System.out.print(\"The grade is \"); \n printGrade(59.5); \n } \n \n public static _____ printGrade(double score) { \n if (score >= 90.0) { \n System.out.println('A'); \n } \n else if (score >= 80.0) { \n System.out.println('B'); \n } \n else if (score >= 70.0) { \n System.out.println('C'); \n } \n else if (score >= 60.0) { \n System.out.println('D'); \n } \n else { \n System.out.println('F'); \n } \n } \n }",			
				"When you invoke a method with a parameter, the value of the argument is passed to the parameter. This is referred to as _____.",			
				"Given the following method: \n \n static void nPrint(String message, int n) { \n while (n > 0) { \n System.out.print (message); \n n--; \n } \n } \n \n What is the printout of the call nPrint('a', 4)?",			
				"Given the following method: \n \n static void nPrint(String message, int n) { \n while (n > 0) { \n System.out.print (message); \n n--; \n } \n } \n \n What is k after invoking nPrint(\"A message\", k)? \n int k = 2; \n nPrint(\"A message\", k);"			
6	lesson	array of lesson question level 6	retrieve questions in the array	"What is the representation of the third element in an array called a?",	Questions transfer	Questions transfer	pass
				"If you declare an array double[] list = {3.4, 2.0, 3.5, 5.5}, list[1] is _____.",			
				"If you declare an array double[] list = {3.4, 2.0, 3.5, 5.5}, the highest index in array list is _____.",			
				"How many elements are in array double[] list = new double [5]?",			
				"What is the correct term for numbers[99]?"			
7	answers	array of answers level 1 transfering	retrieve answers	"input.nextInt();", "input.nextInteger();", "input.int();", "input.integer();"	answers transfer	answers transfer	pass
8	answers	array of answers level 2 transfering	retrieve answers	"==", "!=", "<>", "^="	answers transfer	answers transfer	pass
9	answers	array of answers level 3 transfering	retrieve answers	"4", "3", "3.0", "4.0"	answers transfer	answers transfer	pass
10	answers	array of answers level 4 transfering	retrieve answers	"10", "9", "8", "11"	answers transfer	answers transfer	pass
11	answers	array of answers level 5 transfering	retrieve answers	"void", "int", "double", "public"	answers transfer	answers transfer	pass
12	answers	array of answers level 6 transfering	retrieve answers	"a[2]", "a(2)", "a[3]", "a(3)"	answers transfer	answers transfer	pass
13	hints	array of hints level 1 transfering	retrieve hints	"What int comes next?",	answers transfer	answers transfer	pass
				"Find the average.",			
				"Print what's inside.",			
				"camelCase notation",			
				"; ends the declaration",			
				"Another word for a fixed value",			

				"Assignment operator.",			
				"A variable cannot be assigned to a constant.",			
				"The assignment operator is equivalent to assigning a variable.",			
				"Same as any other variable declaration/initialization except contains another keyword."			
14	hints	array of hints level 2 transfering	retrieve hints	"'=' by itself is the assignment operator.",	hints transfer	hints transfer	pass
				"The data type that takes in true/false statements.",			
				"Think about inequalities.",			
				"y is less than 1",			
				"The single '=' sets a variable's value, it does not compare two values",			
				"isPrime is already a boolean data type.",			
				"Even is false.",			
				"Think about inequalities.",			
				"If an if statement is true then the program has no reason to check the else statement.",			
				"Both are either correct or incorrect."			
15	hints	array of hints level 3 transfering	retrieve hints	"round() returns an int value.",	hints transfer	hints transfer	pass
				"rint() returns a double value",			
				"rint() returns the nearest even integer as a double.",			
				"ceil() returns a double value.",			
				"floor() returns a double value rounded down.",			
				"You are converting from degrees to _______.",			
				"You are converting from degrees to _______.",			
				"What is the value of y at sin(PI)?",			
				"What is the arcSine of 0.5?",			
				"What is the cosine of pi?"			
16	hints	array of hints level 4 transfering	retrieve hints	"Prints after checking that count is less than 10.",	hints transfer	hints transfer	pass
				"What's going at each point?",			
				"Count is incremented before printing.",			
				"Think about floating point numbers.",			
				"Two conditions to pay attention to.",			
				"2 to the \"number of loop executions\" power.",			
				"Value of cond1.",			
				"Look for errors.",			
				"Beginning value of balance is 10."			
17	hints	array of hints level 5 transfering	retrieve hints	"Context clues.",	hints transfer	hints transfer	pass
				"What method is being called and what is being passed?",			
				"Required in order to run a program.",			
				"What is towards the end of a method call?",			
				"Push, pop, peak...",			
				"Which of the methods above doesn't return a value on method call?",			
				"What is the return type?",			
				"Giving the parameter a _____.",			
				"Pay close attention to the variable type and what is passed.",			
				"Does the value change?"			
18	hints	array of hints level 6 transfering	retrieve hints	"Arrays use regular brackets.",	hints transfer	hints transfer	pass
				"The first value of an array is array[0].",			
				"The first value of an array is array[0].",			
				"array[x].. x is the size in the declaration/initialization.",			
				"Past tense."			