JAVA CURRICULUM – VAMA EDTECH

Sr No	Topic	Learning outcome
1.	Introduction	Introduction to Java
2.	Hello World	Write the first code
3.	Variables	Learn datatypes/ create projects / manipulate variables.
4.	Object Oriented Java	Explore syntax for defining classes and creating instances.
5.	Conditionals & Control Flow	Conditionals and control flow in Java program. Create a branching program using conditionals.
6.	Arrays & Array List	Build lists of data with Java arrays and Array Lists.
7.	Loops	Use loops to iterate through lists and repeat code.
8.	String Methods	Use Java String for performing operations on strings and data manipulation.
9.	Access, Encapsulation & Static methods	Learn advanced features of the classes.
10.	Inheritance and Polymorphism	Understand object-oriented Java with inheritance and polymorphism.
11.	Inheritance and Polymorphism	Understand advanced options with inheritance and polymorphism.
12.	Two Dimensional Arrays	Learn how to create and use two-dimensional arrays.
13.	Recursion	Learn what recursion is and how to implement recursive solutions to problems.
14.	Classes / Objects / Methods	Learn the basics of object-oriented programming by exploring classes and methods.
15.	Using Built in Classes	Learn about some of the most commonly used Java built-in classes.
16.	Code Challenge	Test yourself with a variety of coding challenges involving Arrays, Strings, loops.
17.	Android & Java Foundations	Get started with Android and Java

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18.	Wireframing and Java variables	Wireframe your first app, learn about variables in Java, and dig into the Android Studio IDE
19.	Programing Logic with Java	Learn about programming logic in Java and continue to build the _Unquote_ trivia game
20.	Java Arrays	Learn about Arrays and Loops in Java and continue to build out the _Unquote_ game