Core Java Course Curriculum

1. **Introduction to Java**
   - 1.1 Features of Java
   - 1.2 The Java Virtual Machine
   - 1.3 Parts of Java
2. **First Step Towards Java Programming**
   - 2.1 API Document
   - 2.2 Writing a Java Program
   - 2.3 Importing classes
   - 2.4 Formatting the output
3. **Naming Conventions and Data Types**
   - 3.1 Naming Convention in Java
   - 3.2 Data types in Java
     - 3.2.1 Integer data type
     - 3.2.2 Float data type
     - 3.2.3 Character Data type
     - 3.2.4 String data type
     - 3.2.5 Boolean Data Type
   - 3.3 Literals
     - 3.3.1 Integer Literals
     - 3.3.2 Float Literals
     - 3.3.3 Character Literals
     - 3.3.4 String Literals
     - 3.3.5 Boolean Literals
4. **Operators in Java**
   - 4.1 Operators
     - 4.1.1 Arithmetic Operator
     - 4.1.2 Unary Operator
     - 4.1.3 Increment Operator(++)
     - 4.1.4 Decrement Operator(--)
     - 4.1.5 Assignment Operator(=)
     - 4.1.6 Relational Operator
     - 4.1.7 Logical Operator
     - 4.1.8 Boolean Operator
     - 4.1.9 Bitwise Operator
     - 4.1.10 Ternary operator or Conditional Operator
     - 4.1.11 Instance of Operator
     - 4.1.12 new operator
     - 4.1.13 Cast operator
   - 4.2 Priority of Operators
5. **Control Statements in Java**
   - 5.1 if..else statement
   - 5.2 do..while loop