Core Java Syllabus

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1. Introduction to java
2. Installation of jdk (with different version and information regarding IDE(Notepad Plus, Eclipse, Netbeans, ))
3. Writing Simple Hello World Program
4. Writing public static void main (String[] args) in different ways
5. Path Setting
6. Variable
7. Data type
8. Information regarding variable that it never store any garbage value in a local variable.
9. Assigning value to variable
10. Arithmetic Operators
11. Accepting values from user using Scanner class
12. Basic of import statement, information about package, sub-package
13. Information about rt.jar
14. Explanation of Scanner class basic structure
15. final keyword(to declare constant)
16. difference between a float and a double value in java with example
17. Basic of String data type(Accepting a name)
18. Selection statement (Relational and Logical Operators)
    1. Simple if
    2. If..else
    3. Multiple if…else if….
    4. Nested if…
    5. Switch case
    6. Conditional operator
19. Looping/Iteration Statement
    1. for loop
    2. while loop
    3. do…while loop
20. Introduction to Array
    1. new keyword & dynamic memory allocation
    2. Single dimensional array
    3. Double Dimensional Array
    4. Jagged Array
21. Class and Object
    1. OOPs Concept
    2. Defining a class and Object
    3. How memory is reserved for an object
    4. Private member
    5. Defining method inside a class
    6. Multiple methods inside a class
    7. Private Method
    8. Accessing One method inside another Method
    9. Array of objects
    10. Method returning a value
    11. Multiple Classes