1. Introduction to JavaScript.
2. "Java" vs "JavaScript".
3. Implementations and versions of JavaScript - ECMA Script, DOM, BOM.
4. Internal and external JavaScript.
5. JavaScript variables and Data types.
6. JavaScript operators.
7. How to use basic data structures like Strings and Numbers.
8. How to use advanced data structures like Objects and Arrays.
9. Statements - if, while, do-while, for-in, break and continue, switch statements.
10. Functions - Understanding arguments, recursions, this keyword, returning values, local and global variables, scope, modularity using functions, multiple returns.
11. Control flow.
12. JavaScript built-in functions.
13. Events.
14. Objects and JSON.
15. Introduction to DOM and JQuery.
16. Asynchronous JavaScript and callbacks - understanding synchronous and asynchronous, working with Asynchronous API's, working with callbacks.
17. Prototypical Inheritance - Working with prototypes, working with constructors.
18. Design patterns - Factory, singleton, constructor, prototypical.
19. Inheritance - prototype chaining and prototype inheritance.
20. AJAX and APIS.
21. Garbage collection.