1. Introduction to JavaScript: history, basics of programming concepts, syntax, variables, data types, operators, and control structures.
2. JavaScript Functions: function declarations, expressions, arguments, parameters, callbacks, closures, and higher-order functions.
3. JavaScript Arrays and Objects: arrays, objects, properties, methods, destructuring, and reference vs value types.
4. DOM (Document Object Model) Manipulation: Understanding the structure of an HTML document, manipulating elements and their properties, handling events, and creating dynamic user interfaces.
5. Browser APIs and JSON (JavaScript Object Notation): using built-in browser APIs, fetching data from external sources, and handling JSON data.
6. JavaScript ES6+: latest features such as template literals, arrow functions, destructuring, modules, and promises.
7. JavaScript Frameworks and Libraries: Introduction to popular front-end frameworks such as React and Angular, and libraries such as jQuery and Lodash.
8. Debugging and Testing: common debugging techniques, using development tools, and introduction to testing with tools such as Jest.
9. Best Practices and Applications: organizing and maintaining code, coding style guides, security concerns, and building real-world applications.