

Index Page

Topic Name	pg#	Topic Name	pg#
Basics of JavaScript	01	Object Methods	10
JavaScript Variable	01	Singleton v/s Class object	10
Naming Conventions	01	Array of objects	11
Primitive Data Types	01	DOM in JavaScript	11
Type Coercion	02	Window Object	12
Operators in JavaScript	02	Nodelist	12
Truthy & falsy	03	Types of nodes	12
Short Circuiting	03	HTML Collection v/s Nodelist	13
Conditions in JavaScript	03	Selecting HTML Elements	14
Loops in JavaScript	04	DOM Traversing	14
Functions in JavaScript	04	Manipulating HTML	14
Strings in JavaScript	05	Manipulating CSS	16
String properties & methods	05	Event Handling	17
Arrays in JavaScript	06	Remove Event Listener	17
Array literal v/s constructor	06	Event Object	18
Array methods	07	Mouse Events	18
Array Sorting	07	Keyboard Events	18
Array iteration methods	08	Form Events	19
Objects in JavaScript	08	Touch Events	19
Object's property v/s method	09	Window Events	19

Clipboard Events	19	Avoid Shared States	32
Events Life Cycle	19	Avoid Side Effects	32
Events Propagation	19	Reuse And Compose Logic	33
Events Delegation	21	Loose Coupling	34
Numbers in JavaScript	21	First Class Functions	34
Number properties	21	Higher Order Functions	35
Number Instance Methods	22	Callback Functions	35
Decimal.js Library	22	Compose v/s Pipe	36
Math Object Methods	22	Chaining	37
Generate Random Number	22	OOP In JavaScript	37
Date Object	23	Factory Function	38
Date get/set Methods	24	Constructor Function	38
Working With Timestamp	24	Class Syntax (ES6)	38
Date Formatting Methods	24	This Keyword	39
Luxon Library	25	New Keyword	39
Programming Paradigm	26	Prototypes in JavaScript	39
Imperative v/s Declarative	27	4 pillars of OOP	42
Procedural Programming	28	Abstraction	42
Structural Programming	28	Encapsulation	42
Event Driven Programming	29	Get & Set in Class Object	44
Functional Programming	30	Inheritance	44
Pure Functions	31	Polymorphism	45
Immutability	31	Understanding JSON	46
Declarative Code	31	APIs	48

Asynchronous Programming	49		
Synchronous / Asynchronous	49		
Why Do We Get a Promise	50		
Fetch	51		
CRUD Operation	51		
Callback Functions	51		
Callback Hell	52		
Traditional way before fetch()	53		
Promises	53		
Promise Chaining	54		
async/await	55		
setTimeout() & setInterval()	55		
Stopping the timers	56		
Local Storage	57		
Session Storage	57		
Spread Operator	60		
Rest Operator	62		
Destructuring	62		
Array Destructuring	63		
Object Destructuring	64		
Function Destructuring	65		
Modules	66		
CommonJS Modules	66		
ES6 Modules	67		