

Sample Questions:
Module 1:

The architecture of Web application.
HTTP methods

Explain GET and POST request methods of HTTP.

Differentiate following:

1. HTTP and HTTPS
2. SSL and TLS
3. XML and JSON
4. URI, URL, URN

Short Note:

1. REST API and its characteristics
2. DNS

Structure of browser (components of the browser)

Functions of different components of the browser.

Working of the rendering engine

What is DNS? Explain domain and sub-domain with suitable examples.

Java Script DOM and different methods of Document object.

Module 2: Java Script

Explain alert(), confirm() and prompt() method of window object.

Explain output and input methods in Javascript.

What are functions ? Explain how to create and call functions.

Explain various datatypes used in Javascript.

Different ways of declaring variables in Java Script(let,var,const).

What is an event handler? explain any three mouse events.

Different types of events and event handlers.

What do you mean by an object in java script different ways of creating objects in Java Script ?

Explain Object Oriented concepts in JavaScript.

Explain advantages of using Arrow function.

Explain generator function and how it is different from normal function.

Synchronous and Asynchronous Programming

Template Literal, Rest and Spread,default Argument

Differentiate:

Function and Arrow function

Generator and Iterator

Let,Var,Const

Short note on following:

Promise

Callback function

Generator and Iterator

Java Script DOM and different methods of Document object

Data validation in java Script and Regular expression.

Sample Programs:

Write a javascript code to find sum of N natural numbers using user define function.

Write a javascript code to find sum of N natural numbers using user defined function.

Write Javascript code that will change the background color of the page when user clicks on the particular button.

Write Javascript code to calculate gross salary where salary details has been accepted using form.

React Sample Questions:

What is react? Explain the Features of React.

What is JSX? Explain how JSX is processed by Browser.

What is Virtual DOM? How it is different from Real DOM?

The architecture of React.

Folder Structure of React application.

How do you create a React app?

What are the components in React? Explain different types of Components?

What is the use of render() in React?