

Internet Programming

MODULE 1:

1. What is web browser? Discuss working of web browser in detail with diagram.
2. Explain the term URL in Detail.
3. What is DNS? Explain the working of DNS.
4. Write a short note on TLS.
5. Differentiate between TLS and SSL
6. What do you mean by JSON?
7. Differentiate between XML and JSON with example.
8. Write a short note on HTTP.
9. Explain Working of HTTP transaction.
10. Write a short note on REST API.
11. Explain XML schema in detail.
12. Differentiate between HTML and XML.

MODULE 2:

1. What is ES6? Features of ES6. Differentiate between ES5 and ES6.
2. How to declare variable in ES6
3. What are constants in ES6 explain with example.
4. Explain Different types of for loops in ES6
5. Give an example of an Arrow function in ES6? List down its advantages.
6. Define let keyword and explain its usage with proper example.
7. Define ES6 HTML DOM. List out different types of DOM.
8. Explain Promises in ES6.
9. Write a short note on REST API.
10. What are Events in JavaScript? Explain Different types of Events?

Module 3:

1. Explain Functional Component with example
2. Explain Class component with example
3. Explain react state with example
4. Explain react props with example
5. Explain react Component life cycle.
6. What is react JSX?
7. Write a short note on React Animation.

Module 4:

1. Explain ref in react in detail.
2. Write a short note on Hooks effect.
3. Differentiate between MVC and FLUX
4. Explain the architecture of flux in detail
5. How to use useState() in react?
6. What is ref? When to use ref& when not to use ref?
7. Write a short note on React Hook.
8. Explain Redux Architecture in detail.

Module 5:

1. What is npm? How to install and uninstall different modules using npm?
2. What is Callback in node.js?
3. Describe EventEmitter class in node.js
4. Explain Buffers in node.js
5. Explain streams in node.js
6. Explain Event Loopback in NodeJS.

Module 6:

1. What is Express.js? What are the core features of Express Framework?
2. Explain REST API? Brief about Principles of REST
3. Explain Express Generator?
4. Difference between Express.js and Node.JS
5. Explain Routing in Express JS.