React Js Important Question

* What is React JS ?

ANS:

* + React js is javascript library for building user interfaces.
  + It is client side javascript library.
  + I.e the js code which runs on the browers of website visitors.
  + React is all about building modern, reactive user interfaces for the web.
  + Ex: Netfilx, facebook, instagram, etc
* What are the Features of react js?

ANS :

1. Important features of react js :
   1. JSX
   2. Components
   3. One way data binding
   4. Virtual DOM
   5. Simplicity
   6. Performance
2. JSX:
   * JSX stands for Javascript XML.
   * It is js syntax extension.
   * JSX used to describe what the UI should look like.
   * JSX produce react element.

const element = (

<h1 className="greeting">

Hello, world!

</h1>

);

const element = React.createElement(

'h1',

{className: 'greeting'},

'Hello, world!'

);

1. Components:
   * ReactJS is all about components.
   * ReactJS application is made up of multiple components, and each component has its own logic and controls.
   * These components can be reusable which help you to maintain the code when working on larger scale projects.
2. Virtual DOM:
   * A virtual DOM object is a representation of the original DOM object.
   * It works like a one-way data binding.
   * Whenever any modifications happen in the web application, the entire UI is re-rendered in virtual DOM representation.
   * Then it checks the difference between the previous DOM representation and new DOM.
   * Once it has done, the real DOM will update only the things that have actually changed.
   * This makes the application faster, and there is no wastage of memory

* What are hooks in reactjs?

ANS:

* + Hooks are new addition in react 16.8.
  + By using tha t we can use state and others react features without using class based components.
  + We can use hooks only in function based component.
  + We can’t use them to class based component.
  + We can only call them to top level
    - i.e. We cant use hooks in block content.
    - We cant use them in loops.
  + Ex:
    - useState( )
    - useRef( )
    - useEffect( )
    - useContext( )
    - useReducer( )
    - useCallback( )
    - useMemo( )