REACT JS

REACT:

React is one of the most popular javascript libraries that is used o devolp interactive user interfaces

Created by facebook in 2011 for their own website facebook.com

It was also used in instagram end netfilx

React open sourced in 2013

Used to create ui (frontend)

Why:

Flexibility

Performance

Testablity

Used:

React can be used to develop web apps

Mobile apps using React

Features of Reactjs

Jsx

Components

One-way data binding

Virtual dom

Simplicity

performance

* Open source library for building user interface.
* To build single page web applications.
* React part building user interface.
* Routing ,Http and other functionality react has rich ecosystem and plays really well with other libraries and is more than capable of building full-fledged web application.
* Created by Jordan walke and maintained by facebook .
* Routing:Process of path selection in any network.
* Http:Hypertexttransferprotocol is an application layer protocol for transmitting hypermedia documents such as html.
* Client side framework.

COMPONENT BASED ARCHITECTURE:

* Lets you break down your application into small encapsulated which can then be composed to make more complex UIs.

REUSABLE CODE:

* In React a reusable component is a piece of ui that can be used in various parts of an application to build more than one ui instance.
* First we have to import the component into where we want to reuse it.

REACT DECLARATIVE:

* React will handle efficiently updating and rendering of the components DOM updates are handles gracefully in react.
* Tell react what you want and react will build the actual ui.

PREREQUISITS:

* HTML,CSS,JAVASCRIPT.

REACT COMMAND:

* Create app:npx create –react-app <app name>.(npx:-node package execute)
* Floder change:cd.
* Run:npm start.( Npm:-node package manager).