**React JS**

**Episode 2:**

**Notes:**

* Npm init => it creates package.json file in our project
* Bundles are used to package/minifi the code of our app and shift into production
* Npm install -D parcel => it is also bundle
* D => dev dependency
* Package.json => configuration of npm

Version: “^2.8.3”

^ or ~ => it means upgrade version automatically

* ^ => upgrade minor version like [2.8.4]
* ~ => upgrade major version like [3.2.0]

Package-lock.json => keep exact version of the dependency like parcel

1. No need to push node modules into git. Bcoz its size is very large. So we can ignore it while pushing by using .gitignore file.
2. We can regenerate/create node modules by using package and package-lock.json [in comment window- npm install]

Npx parcel index.html => it creates localhost server

Npx means execute a package

CDN links wont include in html. Its not a good way to create react app.

Install react into our node module. This is the best way.

Npm install react

Npm install react-dom

**Parcel uses:**

1. It creates dev build, local server for us.
2. HMR => Hot Module Replacement [automatically refresh the page]
3. File watching algorithm
4. Caching - faster builds
5. Image optimization
6. Minify the file
7. Bundle the file
8. Differential bundling [support in all browsers like chrome, edge, firebox..]
9. Error handling
10. It gives beautiful error [Diagnostic]
11. Tree shaking - remove unused code

Npx parcel build index.html => it gets error sometimes. To avoid those errors, We need to remove “main: App.js” this code from package.json