**Next js**

1) It is a library of react.

2) To install next app npx create-next-app hello-world.

3) npm install / yarn install.

4) npm run dev / yarn dev

**Next JS Routing**

1) Routing is based on page folder structure.

2) For nested routing we nested folder structure in page folder.

3) Dynamic route can be created by using square bracket to a page name.

4) Catch all route – add three dots inside bracket to create a catch all route , It is helpful when we need to define different url for same page or we want to pass multiple parameter that is dynamically change.

**404 page**

1. To create 404 page we just need to add 404.js page under page folder and we can change the text or template of this page.

**Navigation**

1. For link pages we use Link from next/link.
2. useRouter hook’s router.push method to navigate programmatically.
3. We can also use router.replace for return to desired page.

**Pre-rendering and Data Fetching**

There are 2 types of rendering

1)Client side rendering

2)Server side rendering