



ASSIGNMENT NO: 04

PRESENTATION OF NEXT.JS

MADE BY FAIZ FAHEEM

- **What is `page.tsx` file, and what is the `layout.tsx` file ?**

`page.tsx` is a special **`Next.js`** file that exports a React component, and it's required for the route to be accessible. In your application, you already have a page file: `/app/page.tsx` - this is the home page associated with the route.

"The **`page.tsx`** file is required to make the root segment publicly accessible

`Layout.tsx` is like the framework of the house it is the shared structure that keeps all the rooms together such as the walls, floors and ceilings. It might my have a header footer and navigation bar that will appear on each page

- **What is the Link tag, why do we use this tag, and what is its purpose?**

The `<Link>` tag is a special component in Next.js that attached new pages between within a **Next.js** application.

You can use the `<Link>` tag to link the Components between pages in your application.

The `<Link>` component is typically used the **href** Attribute to the path of the page you want user visit a new page.

It is the primary way to navigate between routes in **Next.js**.

- **What are Components, and why do we use them? How can we apply CSS in Next.js?**

Components are basically the building blocks of a React app, like **Next.js**.

They let you break down your UI into reusable pieces, which makes your code easier to manage.

Instead of writing all your code in one place, you can create separate components for different parts of your app, like Header, Footer, Banner, Forms, or even whole sections.

- **How can we apply CSS in Next.js?**

In Next.js there are several ways to apply CSS to your component and pages.

1. Global.CSS
2. Module.CSS

1. **Global.CSS**

The global.css file is pre-built inside your NextJS application

The global.css file is already linked to the application's home page.

Developers can custom styling in the global.css file

- - - - -

For e.g :

```
h1{  
    padding: 10px;  
    margin: 20px;  
}
```

1. Module.CSS

The **module.css** file is created to style the new page or components of the your application. This file is import to your new page or components

For e.g :

Import style from “./page/module.css”

- **What is Tailwind CSS, and what are the differences between Tailwind CSS and standard CSS?**

Tailwind CSS is a utility-first **CSS** framework that allows you to style your HTML elements directly using predefined classes.

Overall, **Tailwind CSS** offers a modern approach to styling that emphasizes utility and customization, making it a popular choice for developers.

- **Difference Between TAILWIND CSS & STANDARD CSS**

TAILWIND CSS

Tailwind CSS is a utility-first approach where you apply predefined classes directly in your HTML.

Tailwind CSS allows you to customize your design system in a file, ensuring consistency in colors, spacing, and other styles.

STANDARD CSS

Standard CSS requires a separate style sheet, such as `global.css` , `module.css` , which is used for custom styling and the styling is done on a separate style sheet.



THANK YOU