**Assignment3**

* **JSX(javascript XML):-->**
  + a syntax entension to javascript
  + we can use it with react to describe or design easy with html like tags
  + it has template like html but has full power of javascript with it
  + it produce react elements like div,h1 , img a etc even custom build elements
  + it is an expression too
  + it prevent injection attacks
* superpower of JSX:-->
  + we can write logic and markup in single file
  + its easy to maintain and debug
  + it allows us to write html elements in js and place them in DOM without any use of createElement or appendchild methods
  + it convert HTML tags into react element in background
* **role of TYPE attribute in script tag?**
  + type attribute specify the type of script file we are adding.
  + it indentify the content between scripts tags
  + **defaut** value is **text/js** as script tag is used to embedded js with html
  + **text/ecmascript**: it indicates that it follows ecma standards
  + **module**: it tells the document that it can import and export the files or modules
  + **babel**: it indicates it is babel type or required babel to transpile it
  + **typescript**:it indicate that file type is typescript
* **{TitleComponent} Vs {<TitleComponent/>} Vs {<TitleComponent><TitleComponent/>}:-->**
  + **{TitleComponent}:**it describe its as a JS expression or variable as we can write js expression or variable inside it
  + **{<TitleComponent/>} :**when a component is returned or called with some JSX values where props can be passed
  + **{<TitleComponent><TitleComponent/>}:**its equivalent to 2nd one until it has no child components .