Assignment - 9   **Frontend Development**   **Maven AI Tech**

React Project

1. Create a Nested header Element using React.createElement(h1,h2,h3 inside a div with class "title")

   a. Create the same element using JSX

   b. Create a functional component of the same with JSX

   c. Pass attributes into the tag in JSX

   d. Composition of Component (Add a component inside another)

2. Create a Header Component from scratch using Functional Components with JSX

   a. Add a Logo on left

   b. Add a search bar in middle

   c. Add User icon on right

   d. Add CSS to make it look nice

3. Learn about:

   a. What is JSX?

   b. {TitleComponent} vs {<TitleComponent/>} vs {<TitleComponent></TitleComponent>} in JSX

   c. What is <React.Fragment></React.Fragment> and <></>

   d. What is Virtual DOM?

   e. What is Reconciliation in React?

   f. What is React Fiber?

   g. Why and when do we need keys in React? Can we use index as keys in React?

   h. What is props in React? Ways to use them.