

MSWD Skilling-01

Name-ch bhaskara gupta

Id- 2000030186

Sec -19b

Date of the Session: 02/08/2021

Prerequisites:

- Installation of Node JS & Visual Studio Code Rahul is a boy from CSE Department, he is 19 years old, and he comes from Hyderabad and is interested in Front End Development.

To show off his front-end design skills he created a simple yet elegant Card design containing all the above details. Here is an example which Rahul created.

And your task is to mimic what he did or try to make your own design which is better than what Rahul did.

Quick Fix:

APP.JS:

```
import React, { } from 'react'
import gupta from './gupta.jpeg';

const App = () => {

  const styles =
  {
    card:
    {
      boxShadow: '2px 1px 3px blue',
      border: '1px solid blue',
      width: '20%',

    },
    container:
```

```

    {
      color:"red",
      border: '10%',
      padding: '2px 16px',
    },
    image:
    {
      color:"red",
      width:'100%',
    },
  }

  return (

    <center>
      <div style={styles.card}>
        <img src={gupta} style={styles.image} alt="Avatar" />
        <div class="container" style={{color: "blue"}} style={{backgroundColor: "lightblue"}}>
      </div>
      <center> <h2>Ch.Bhaskara gupta</h2>
      <h4>2000030186</h4>
      <p>Cse department</p>
      <p>K L University</p></center>
    </div>
    </center>

  )
}
export default App

```

index.js

```

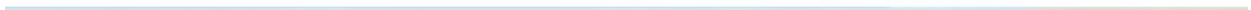
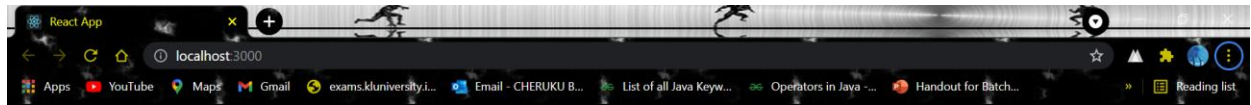
import ReactDOM from 'react-dom'
import App from './App'

ReactDOM.render(
  <App />,
  document.getElementById('root')
)

```



OUTPUT:



EXERCISES:

Q1. Describe JSX and where it is used?

A. JSX is a syntax extension to JavaScript and comes with the full power of JavaScript. JSX produces React “elements”. You can embed any JavaScript expression in JSX by wrapping it in curly braces. After compilation, JSX expressions become regular JavaScript objects.

USE:

This means that you can use JSX inside of if statements and for loops, assign it to variables, accept it as arguments, and return it from functions. Eventhough React does not require JSX, it is the recommended way of describing our UI in React app.

Q2. What is the purpose of render() in react?

A. **Render()** function is used to update the UI. For this, you have to create a new element and send it to ReactDOM.render().

React elements are immutable and once you create an element, you cannot change its attributes. Thus, elements are like a single frame and it depicts the UI at some point.

Q3. What do you understand by Virtual Dom in react?

A. The virtual DOM (VDOM) is a programming concept where an ideal, or “virtual”, representation of a UI is kept in memory and synced with the “real” DOM by a library such as ReactDOM. This process is called reconciliation.

Q4. Why can't browsers read JSX ?

A. Browsers cannot read JSX because there is no inherent implementation for the browser engines to read and understand it.

You can use babel to transform your jsx into native javascript and HTML which browser can understand.

Q5. Why is React App called a Single Page Application (SPA)?

A. Js from where your entire web-app is loaded in fragments and components. This behaviour of rendering components and pages on a single page and changing the DOM(is a single page behaviour and hence the name), instead of loading a new page with new content, this makes it feel like a single application