**React Component**

**1.**

**Write React code to render a component with the following data:**

* **A heading in italics, blue color, and font-size 25px.**
* **An image.**
* **An ordered list of 3 fruits that start with the letter "A".**
* **The current time and current date in red color, centered.**

**2**.

**What will be the output of the following program?**  
const x = 9;  
 let text = "Welcome";  
 x = 10;  
 if (x <= 10) {  
 text = "Welcome To LJU";  
 }  
 return (   
<h1>{text}</h1>  
 )

**3**.

**Correct the following code :**  
function App() {  
 const abc="Hello";  
 return (  
 <div className="App">  
 <h1 style={{backgroundColor:"red"}}> Friends {2+2} </h1>  
 <Example fname=abc age="30"/>   
 </div>  
 );  
}  
export default App;

**4**.

**Give the correct output.**  
 import React from 'react';  
 const App = () => {  
 const name = "John";  
 const age = 30;  
 return (  
 <div>  
 <h1>Hello, {name}!</h1> <p>You are {age} years old.</p>  
 <ul>{age > 18 ? <li>You are an adult</li> : <li>You are a minor</li>}</ul>  
 </div> );};  
 export default App;

**5.**

**Identify error/output in following code of App.js file.**  
function App() {  
 const a="Hello";  
 const b=8;  
 return (  
 <div className="App">  
 <h1 style={{backgroundColor:"green"}}> The addition is: {a+2+b} </h1>  
</div>  
 );  
}  
export default App;

**React Props**

**1.**

**Write a React component that prints a car’s brand name and its model name, which are passed as props using JSON.**

**2.**

**Write a React component to create an array of 3 objects, each with properties id, name, branch, and spi. Pass this data to another component and display the data in a table.**

**3.**

**Consider following code in App.js file and Example.js file. Identify error/output**import Example from "./Example";  
function App()  
{const obj=  
 {  
 type:"car",models:["i10","i20","Grandi10"]  
 }  
 const string=JSON.stringify(obj);  
 return(  
 <div> <Example name={obj}/> </div>  
 )}  
export default App;

**Example.js**  
const Example = (props)=>{  
 return(  
 <div><h1>{props.name.type}</h1></div>   
 )  
 }  
export default Example

**4**.

**What will be the output of the following code?**  
**App.js**  
import Example from "./Example";  
function App() {  
 return (  
 <div className="App">  
 <Example fname="A" + " B" + " C"/>  
 </div>  
 );  
}  
export default App;  
  
**Example.js**  
import React from 'react'  
  
const Example = (props) => {  
 return (  
 <div>  
 <h1>Friends:{props.fname}</h1>   
 </div>  
 )  
}  
export default Example

**5.**

**What output will be generated by following program.**   
**Example.js**  
import React from 'react'  
const Example = (Props)=>{  
return(  
<div>  
<h1>{**Props**.Name} : {**Prop**.Price}</h1>  
</div>  
);  
}  
export default Example;  
  
**App.js**  
import Example from "./Example";  
function App() {  
return (  
<div>  
<Example Name="Mobile" Price="20000" />  
</div>  
);  
}  
export default App;

**6.**

**Consider following code in App.js file and Example2.js file. Identify error/output. Assume Example2 is properly imported in App.js file.  
App.js**  
const myobj=  
 {  
 name:"Hello",  
 age:3,  
 siblings:["xyz","pqr","abc"]  
 }  
 const str=JSON.stringify(myobj);  
return (  
 <div>  
<Example2 name={myobj}/>  
 </div>  
 );  
**Example2.js**const Example2 = (props) => {  
 return (  
 <div>  
 <h1>{props.name.name}</h1>  
 </div>  
 )  
}

**7.**

**Consider following code in App.js file and Program.js file. Identify error/output.  
App.js**const obj1={Name:"Hiyan",Age:32,Branch:["CSE","CE","IT"]}  
const str = JSON.stringify(obj1);  
return(<div><Program Name={obj1} /></div>); **Program.js**  
const Program=(props)=>{  
return(<div><h1>{props.Name.Branch[0]}</h1></div>);

**React Events**

**1.**

Create a component to perform the following tasks:

1. Add a text field and a submit button.
   * While changing the value in the text field, display it below the form.
   * Display this text field value in an alert box upon submitting it.
2. Add a button to perform click and double-click event tasks.
   * On click event, display a message in an h3 tag saying “You clicked once”.
   * On double-click event, display a message in an h3 tag saying “You clicked twice”.
   * These messages should be displayed below the button.

**2.**

What will will be the output of following program?

import React from 'react';

function App() {

const handleclick = () => {

alert ('Welcome to LJU');

}

return (

<div>

<center>

<button onClick={handleclick()}>Click me</button>

</center>

</div>

);

}

export default App;

**Map & Filter**

Identify error/output in following code of App.js file.

const arr=[10,20,30,40,50];

let sum=0;

return(<div>{ arr.map((v) => {

sum=sum+v;

return <h1>sum = {sum}</h1> }) } </div> );

What will be the output of following code?  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
function map1() {  
let arr = [2, 4, 6, 3, 7, 5]  
const val = arr.sort();  
return (  
<div>  
 <h1>Output: </h1>  
 { arr.map((value)=>{  
 const val = value + 3 + "2"  
 return ( <h2>{val}</h2> )  
 })}  
</div>  
)}export default map1

What will be the output of the following code:  
import React from 'react';  
export function App() {  
 const arr = [10, 20, 30, 40, 50];  
 return (<>  
 {arr.map((v, index) => {  
 let s = index \* 5;  
 return <h3 key={index}>s = {s}</h3>;  
 })}  
 </>);  
}