

```
Q3 of 30
    Which of the following is the correct way to update the state?
    a. const auth = function(state = (status: "logged out", value: 'guest'), action)
                      return Object.assign({}, state, {
                         status: 'logged in',
                         value: action.value
    b. const auth = function(state = (status: 'logged out', value: 'guest'), action)
                      let newState=Object.assign({}, state, {
                         status: 'logged in',
                         value: action.value
                   return newState;
    c. const auth = function(state = {status: "logged out", value: 'guest'), action)
            switch (action.type)
                      let newState= {
                        status: 'logged in',
                         value: action.value
                   return newState;
    d. const auth = function(state = {status: "logged out", value: 'guest'}, action)
            switch (action.type)
                    case 'LOGIN':
                    state={
                         status: 'logged in',
                         value: action.value
                    return state;
   Both a and b
     Only a
     Both c and d
    All of the given options
```

```
Q4 of 30
 Consider the below code snippet
 const mapStateToProps = (state) => {
  return {
   courses: state.courses
 const mapDispatchToProps = (dispatch) => {
  return {
   createCourse: course => dispatch(courseActions.createCourse(course))
 const CourseDetails = () => {
 return (
  // JSX elements
 Identify the correct option to connect the React component to Redux stores:
  © connect(mapStateToProps, mapDispatchToProps)(CourseDetails);
 connect(mapStateToProps(), mapDispatchToProps())(CourseDetails);
 connect(mapStateToProps(state), mapDispatchToProps(dispatch))(CourseDetails);
 connect(mapStateToProps), (mapDispatchToProps)(CourseDetails);
```

```
Q5 of 30
 Given below are the different ways a JSX expressions might be used to evaluate a certain condition. Choose the option(s) with no error:
 a.
 return < div> {name === "Jade" ? "Hello, Jade!" : "No name found"} < /div>;
 b.
 if (name === "Jade") {
  var message = "Hello, Jade!";
 } else {
  message = "No name found";
 return < div>{message}< /div>;
 Option a
 Option b
 Both a and b

    None of the options
```

```
Q6 of 30
 Consider the below given code snippet (assume all the required libraries are imported with index.html page):
 function Warning(props){
  if(!props.warn){
    return < div>No Warning..!!< /div>;
  return(
    < div>Warning..!!< /div>
 function DisplayWarning(){
  const [status,setStatus] = useState(true)
    return(
    < Warning warn={status}/>
 ReactDOM.render(< DisplayWarning / >, document.getElementById('root'))
 Choose the correct output from below options when it is rendered:

    Component rendered without any output

 ○ No Warning..!!
  Warning..!!
  O Error: Warning Component not found
```

Q7 of 30

The counter is passed with the initial value 0 to the reducer and the counter will be incremented by 1 when the increment button is clicked. When clicked on the increment button CallIncrement() function is called.

The action file is as shown below

```
/* action file */
function onIncrement(step){
  return {
    type:"INC",
    step
  }
}

export function CallIncrement(){
  return (dispatch,getState)=>{
    setTimeout(()=>{
        console.log(getState())
        dispatch(onIncrement());
    },3000)
  }
}
```

What value would be logged to the console when the increment button is clicked for the third time?

- O Error because getState() method can be called only using store object
- 03
- (a) 2
- Error because getState() method cannot be called within middleware function

Consider the below code written for rendering a submit button of a component.

< Button type="submit"> Submit < /Button>

The requirement is to apply the below react-bootstrap styles to the button:

• size of the button - 'small'

• button style - 'primary'

Choose the correct option to achieve the above requirement.

(Assume all required React-bootstrap imports are done)

< Button type="submit" style="primary" size="sm"> Submit < /Button>

« Button type="submit" variant="primary" size="sm"> Submit < /Button>

« Button type="submit" class="primary" class="sm"> Submit < /Button>

« Button type="submit" class="primary" class="sm"> Submit < /Button>

« Button type="submit" class="primary" class="sm"> Submit < /Button>

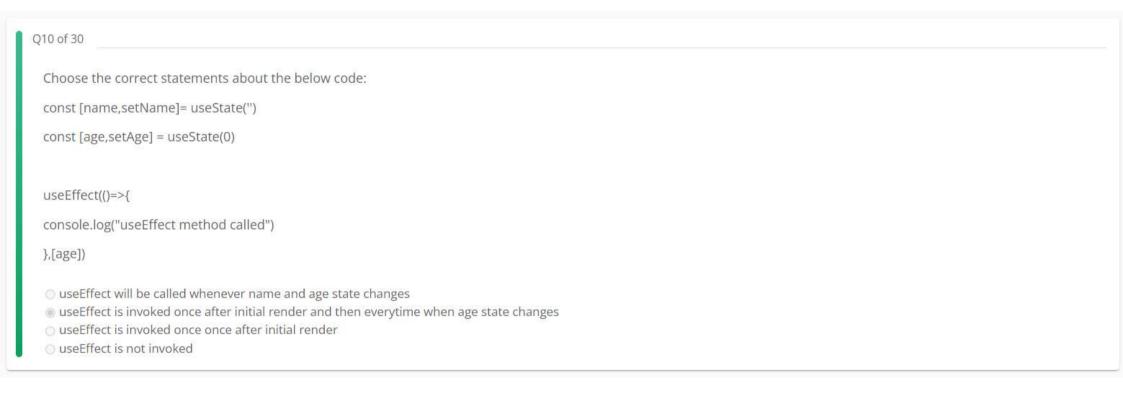
Tom (React application developer) has created the below component to display examination details for the students.

const ExamDetails = () => {
 return(Code to display examination details);
}

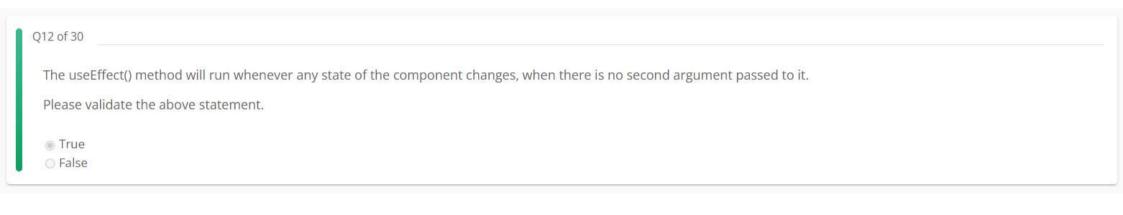
And he wants to display location as Mysore by default, if the preferred location is not provided by student at the form submission time.

Select an appropriate method to be added to the component from the below options.

Set default value using defaultProps
Set default value using propTypes
Use forceUpdate() method and update state as Mysore
Set default value using useState hook



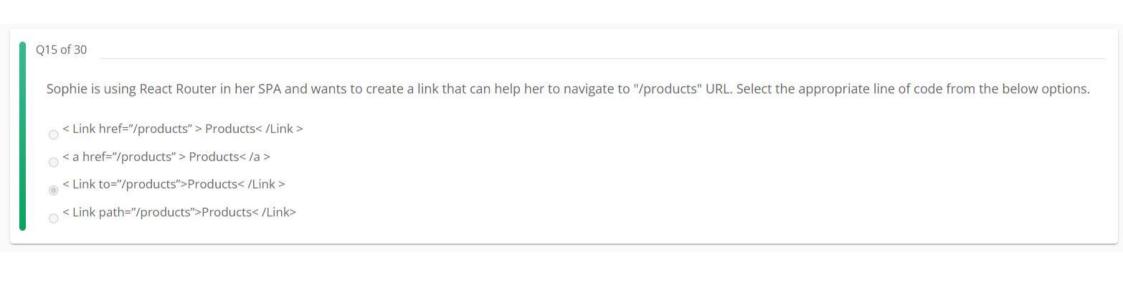
Q11 of 30	
	ponents Home and Product. When you click the "Buy Now" button in the Product, that component should be added to the cart. Select the ons given to be written inside the handleClick() method in the Product component so that productId will be passed to the Home component. All statements are included.
	lleAdd = (productId) => { //Implement logic to purchase the specified product. }; return < Product onPurchase={handleAdd} / >; } export t(props) { const [productId, setProductId] = useState("p-023"); const handleClick = () => { //Select the appropriate line of code. }; return (/div> < div>Price:1234< /div> < button onClick={handleClick}>Buy Now< /button> < /div>); }
 Home.handleAdd(productId); props.onPurchase(productId); handleAdd(productId); useNavigate(productId) 	

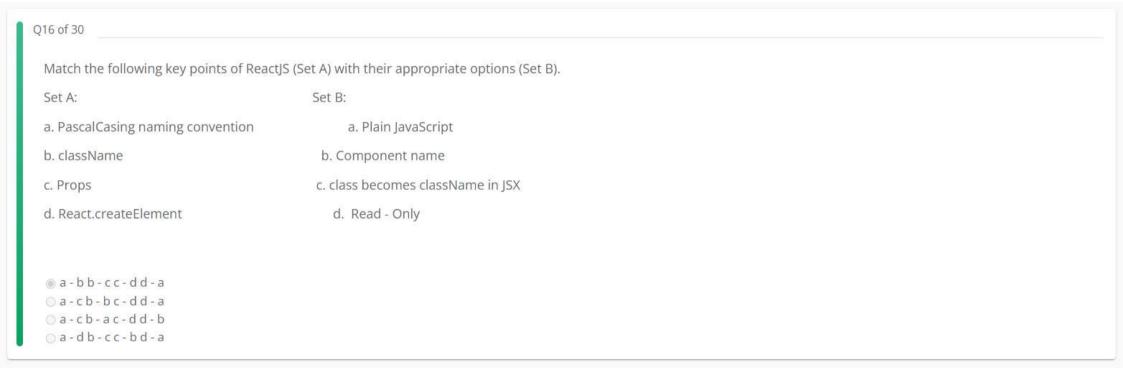


```
Q13 of 30
 Consider the below Reducers.
 const Reducer1 = (state={
     currentDepts:{
         a1:"a101",b1:"a102",c1:"a103",d1:"a104"
 },action) =>{
           return Object.assign({},state,{ currentDepts:{a1:"a201",b1:"a202",c1:"a203",d1:"a204"}});
 export default Reducer1;
 const Reducer2 = (state={
     currentDepts:{
         a2:"a101",b2:"a102",c2:"a103",d2:"a104"
 },action) =>{
           return Object.assign({},state,{ currentDepts:{a2:"a201",b2:"a202",c2:"a203",d2:"a204"}});
 export default Reducer2;
 Which of the below statements are true?
 i. The value of a1 can be modified within Reducer2
 ii. The state is shared between Reducer1 and Reducer2

 Both i and ii

 Neither i and ii
 Only i
 Only ii
```







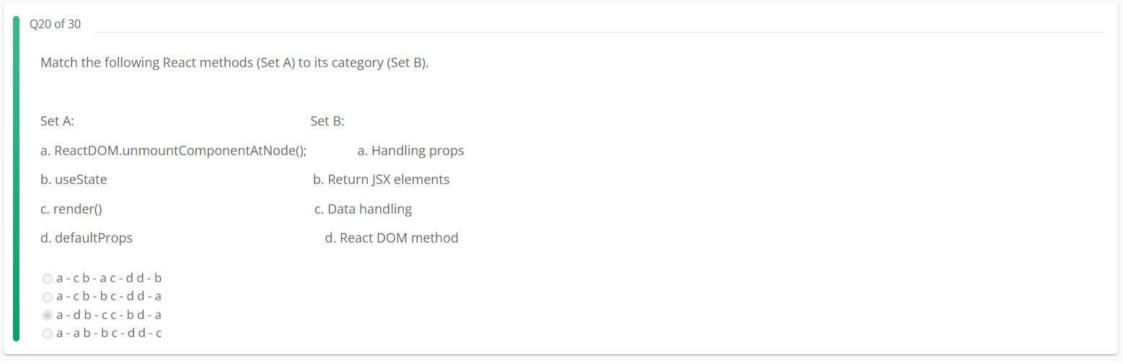
Q18 of 30
James a front-end developer had a requirement to create a Single page application. He decides to create the application using React. Which of the below listed advantages can James get by using React?
a. Modularity can achieved by using React JS
b. Optimize DOM manipulation
c. Follows MVC architecture
d. Components can also be created using pure JavaScript
Only a and b are true
Only a, c and d are true
 Only a, b and d are true All the given options are true
An the given options are true

```
Jemmy, a React developer has a requirement of handling state in a functional component and she has written the below code

const App = () => {
    const [count, setCount] = useState(0);
    }

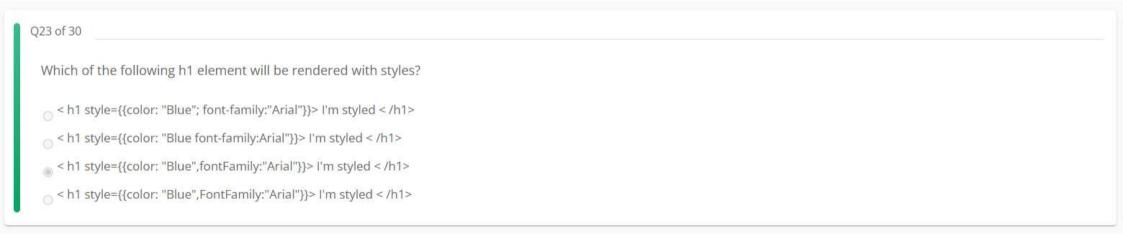
Which of the below statement should she use to increment the count variable of the above component?

setCount(count + 1);
    this.setState({ this.state.count + 1});
    this.setCount(count + 1);
    setCount(this.count + 1);
```

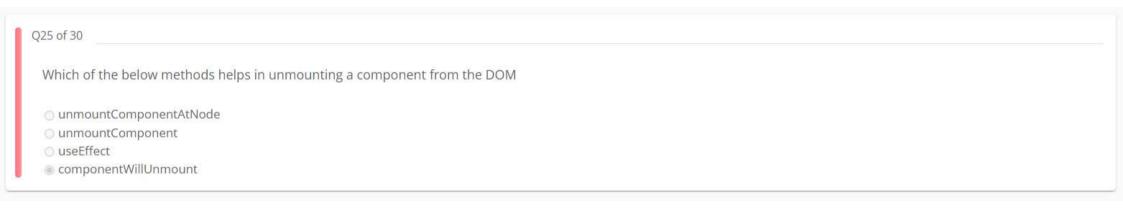


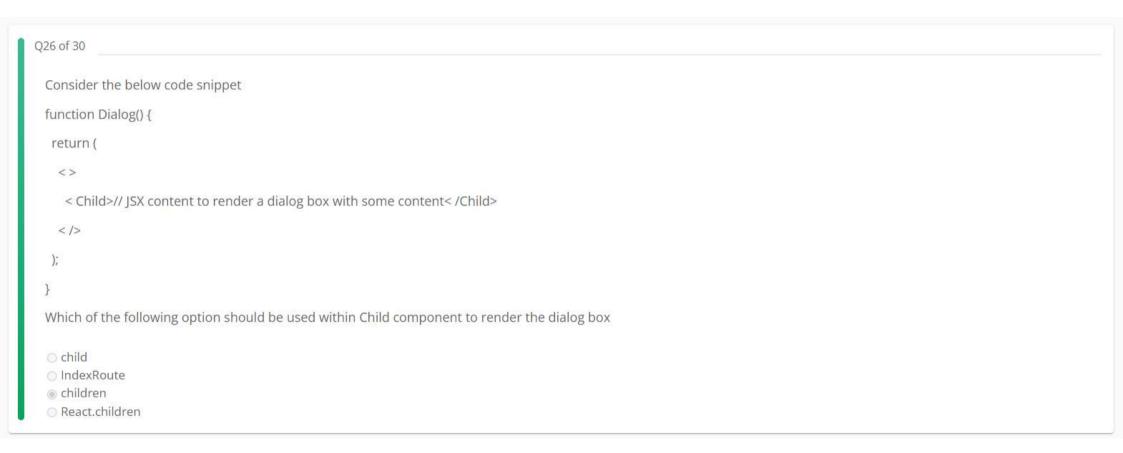
```
Q21 of 30
 Consider the given two components Home and Contact.
 The requirement is to render the Contact component within Home when the Home component is rendered
 const Home = () => {
   return (
    < div>
     Below, you can find the contact of the R&D Department.
      < Contact />
     </div>
 const Contact = () => {
   return (
    < div>
    123 Southern Avenue, Brooksville, Ph: 9999987878
    </div>
 export default Home;
 Select the appropriate way to achieve the requirement
 (Assume all the required environment setup, import, and export is done.)(Select any two)
 ReactDOM.render(< Home> < /Home>, document.getElementById('root'))
  ReactDOM.render(< Contact> , document.getElementById('root'))
 ReactDOM.render(< Home />, document.getElementById('root'))
 ReactDOM.render({Contact}, document.getElementById('root'))
```

Q2	22 of 30
	Mily wants to fetch the list of product data from a backend API. Received data will be set as the state of a component i.e. in 'result'. Which of the following code snippets will help her in achieving this requirement? (Assume all required set up is given)
(const[result,setResult] = useState("")
	axios.get("api_url").subscribe(res => setResult(result))
	o axios.fetch("api_url").then(res => setResult({result : res}))
	axios.get("api_url").then(res => setResult(res.data))
	axios.fetch("api_url").then(res => setResult(res.data))



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	eveloping a functionality, where on clicking view details button of a particular product from the list of prodcts, the details of that product should be displayed in a view. For that, he is passing the productId through the URL. Choose the appropriate code snippet to achieve the requirement
○ let para	ams = useParams(); {params.productId}
○ {usePa	rams().productId}
both a	and b
o neither	ra nor b







O28 of 30 The below code snippet produces compilation error. Identify the options that helps in removing the compilation error (Assume all the required environment setup has been done with the HTML file ready): const Button = () => { const [cntr, setCntr] = useState(100); return (< div> < button onClick={handleClick}>update</button> < Resultant new={cntr} / > </div> const Resultant = (props) => { const handleClick = () => { setCntr(cntr + 1); return (< div> < h2>{props.new}< /h2> </div> export default Button; ReactDOM.render(< Button />, document.getElementById("root")); render(){ return (< div>< button onClick={this.props.handleClick)} 100< /button> < resultant new={this.state.Cntr} / > < /div>); } class Resultant extends React.Component{ handleClick(}{ this.setState({Cntr:this.state.Cntr+1}); } render(){ return < div>< h2> {this.props.new}</h2> </div> } ReactDOM.render(< Button / >, document.getElementById('app')); n Passing handleClick method from Resultant to Button component Defining the handleClick method within the Button component. m Binding the handleClick method in Resultant component Defining the cntr state within Resultant component

```
Q29 of 30
 Predict the output of the below given code snippet when it is rendered:
 const Calculator = () => {
  var a = 7;
  var b = 6;
  var c = 5;
  return < h1>{"(a+b)-c"}< /h1>;
 };
 a+b-c
 08
 (a+b)-c
 07
```

