
🌟 ReactJS Practical Questions with Answers

Q.1) Create a class-based Component and display the list of programming languages you know on a webpage.

```
import React, { Component } from 'react';


class ProgrammingLanguages extends Component {
  render() {
    const languages = ["JavaScript", "Python", "C++", "Java", "React"];
    return (
      <div>
        <h2>Programming Languages I Know:</h2>
        <ul>
          {languages.map((lang, index) => <li key={index}>{lang}</li>)}
        </ul>
      </div>
    );
```

```
  }
}

export default ProgrammingLanguages;
```

Q.2) Create a function-based Component and display your own details like Name, DOB, Contact Number, Address etc.

```
function MyDetails() {
  return (
    <div>
      <h2>My Details</h2>
      <p><b>Name:</b> John Doe</p>
      <p><b>DOB:</b> 01-01-2000</p>
      <p><b>Contact:</b> 9876543210</p>
      <p><b>Address:</b> New York, USA</p>
    </div>
  );
}

export default MyDetails;
```

Q.1) Create a class-based Component Student and display the Student details.

```
import React, { Component } from 'react';

class Student extends Component {
  render() {
    return (
      <div>
        <h2>Student Details</h2>
        <p>Name: Alice</p>
        <p>Age: 21</p>
        <p>Course: B.Tech</p>
      </div>
    );
  }
}

export default Student;
```

Q.2) Add an attribute to pass a name to the Student Component and use it in render() function to display the Name of Student.

```
class Student extends Component {
  render() {
    return (
      <div>
        <h3>Student Name: {this.props.name}</h3>
      </div>
    );
  }
}
export default Student;
```

In App.js:

```
<Student name="Alice" />
```

Q.1) Create a class Component Student and display Student Component in root.

```
// App.js
import React from 'react';
import Student from './Student';
```

```
function App() {
  return <Student />;
}
export default App;
```

Q.2) Create a Constructor function in the Student Component and add an Address property. Use the Address property in render function to display it.

```
class Student extends Component {
  constructor() {
    super();
    this.state = { address: "Mumbai, India" };
  }

  render() {
    return (
      <div>
        <h3>Address: {this.state.address}</h3>
      </div>
    );
```

```
  }
}
export default Student;
```

Q.1) Create a class Component called Result. Use the Student Component inside the Result Component.

```
import React, { Component } from 'react';
import Student from './Student';

class Result extends Component {
  render() {
    return (
      <div>
        <h2>Student Result</h2>
        <Student name="Alice" />
      </div>
    );
  }
}
export default Result;
```

Q.2) Create a class Component called Result and display the result of 5 Students.

```
class Result extends Component {
  render() {
    const students = [
      { name: "Alice", marks: 85 },
      { name: "Bob", marks: 78 },
      { name: "Charlie", marks: 92 },
      { name: "David", marks: 80 },
      { name: "Eva", marks: 88 }
    ];
    return (
      <div>
        <h2>Results of Students</h2>
        <ul>
          {students.map((s, i) => (
            <li key={i}>{s.name}: {s.marks}</li>
          ))}
        </ul>
```

```
      </div>
    );
  }
}
export default Result;
```

Q.1) Create a Constructor function in the Car Component and add a Colour property. Use the Colour property in render function to display it.

```
class Car extends Component {
  constructor() {
    super();
    this.state = { colour: "Red" };
  }

  render() {
    return <h3>Car Colour: {this.state.colour}</h3>;
  }
}
export default Car;
```

Q.2) Create a Football Component. Put a shoot() function in it. Call this shoot() on button click.

```
function Football() {
  function shoot() {
    alert("Goal!");
  }
  return (
    <button onClick={shoot}>Shoot</button>
  );
}
export default Football;
```

Q.1) Create a Cricket Component. Put a wicket() function in it. Call this wicket() on button click.

```
function Cricket() {
  function wicket() {
    alert("Wicket!");
  }
  return (
    <button onClick={wicket}>Take Wicket</button>
  );
```

```
}
export default Cricket;
```

Q.2) Create a list of Car brands in Garage Component. Render all the Car from Garage.

```
class Garage extends Component {
  render() {
    const brands = ["BMW", "Audi", "Tesla", "Toyota"];
    return (
      <div>
        <h2>Car Brands:</h2>
        <ul>
          {brands.map((brand, index) => (
            <li key={index}>{brand}</li>
          ))}
        </ul>
      </div>
    );
  }
}
```

```
export default Garage;
```

Q.1) Create a simple ReactJS app and display “GOOD MORNING” message on webpage.

```
function App() {
  return <h1>GOOD MORNING</h1>;
}
export default App;
```

Q.2) Create a list of Friends and display the list on webpage.

```
function Friends() {
  const friends = ["John", "Sara", "Mike", "Tina"];
  return (
    <div>
      <h2>My Friends</h2>
      <ul>
        {friends.map((friend, index) => (
          <li key={index}>{friend}</li>
        ))}
      </ul>
```

```
    </div>
  );
}
export default Friends;
```

Q.1) Create a class Component called Salary. Use the Employee Component inside the Salary Component.

```
import React, { Component } from 'react';
import Employee from './Employee';

class Salary extends Component {
  render() {
    return (
      <div>
        <h2>Employee Salary Details</h2>
        <Employee name="John" contact="9876543210"
/>
      </div>
    );
  }
}
```

```
export default Salary;
```

Q.2) Create a class Component called Salary and display the Salary of 5 Employees.

```
class Employee extends Component {
  render() {
    return (
      <div>
        <h4>Name: {this.props.name}</h4>
        <p>Contact: {this.props.contact}</p>
      </div>
    );
  }
}

class Salary extends Component {
  render() {
    const employees = [
      { name: "John", salary: 40000, contact:
"9998887770" },
```

```
    { name: "Sara", salary: 42000, contact: "8889997770" },
    { name: "Mike", salary: 38000, contact: "7778889990" },
    { name: "Tina", salary: 45000, contact: "6667778880" },
    { name: "Alex", salary: 47000, contact: "5556667770" }
  ];
  return (
    <div>
      <h2>Employee Salaries</h2>
      {employees.map((emp, i) => (
        <div key={i}>
          <Employee name={emp.name} contact={emp.contact} />
          <p>Salary: ₹{emp.salary}</p>
          <hr />
        </div>
      ))}
    </div>
```

```
    );
  }
}

export default Salary;
```

✅ Bonus — Combine Multiple Components

You can import multiple components into App.js for testing:

```
import ProgrammingLanguages from './ProgrammingLanguages';
import MyDetails from './MyDetails';
import Student from './Student';
import Result from './Result';
import Car from './Car';
import Football from './Football';
import Cricket from './Cricket';
import Garage from './Garage';
import Salary from './Salary';
```

```
function App() {
  return (
    <div>
      <h1>React Practice Components</h1>
      <ProgrammingLanguages />
      <MyDetails />
      <Student name="Alice" />
      <Result />
      <Car />
      <Football />
      <Cricket />
      <Garage />
      <Salary />
    </div>
  );
}

export default App;
```

Would you like me to prepare this as a **complete folder structure (with separate component files)** so you can directly run it in VS Code?