Interview Question and Assignments of ReactJS

Q1. What is ReactJS?

Q2. Explain advantages of React JS?

Q3. What is virtual DOM and explain?

Q4. What is JSX?

Q5. What is diff between Virtual DOM and Real DOM?

Q6. what is package.json file in React?

Q7. Explain folder structure of React?

Q8. What are disadvantages of React?

Q7. Can browser read JSX File?

Q8. What is meaning of component-based Architecture of React?

Q9. What is babel in React?

Q10. What is Webpack in react?

Q11. What is NPM and why use it?

Q12. What is NPX?

Q13. What is diff between NPM and NPX?

Q14. What is React Fragment?

Assignment

Q1. Create Hello Word Application using React

Q2. Declare two variables in index.js file and calculate its addition display using JSX expression?
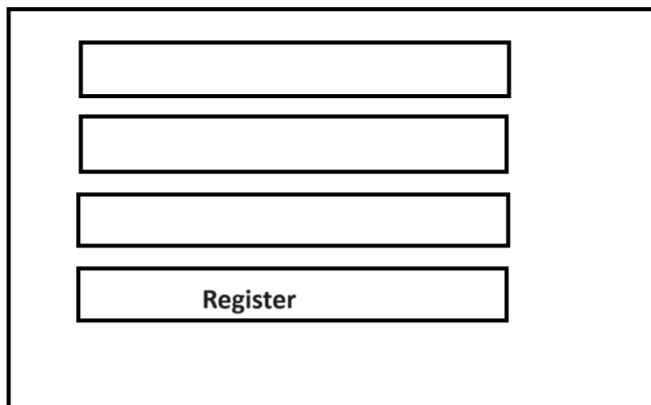
Q3. Design simple Order list and Unorder list using React?

An ordered HTML list

1. Coffee
2. Tea
3. Milk

An unordered HTML list

- Coffee
- Tea
- Milk

Q4. Design Simple Registration form on index.js and display it?

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Interview Question

Q1. How many ways to apply CSS in React with source code?

Q2. How to apply inline CSS with source code?

Q3. How to apply internal CSS in React with source code?

Q4. How to apply external CSS in React with source code?

Q5. What is component in React and why use it with example?

Q6. Explain Types of Components in React?

Q7. Explain class component and How to create it with source code example?

Assignment

Q1. Create class component name as Register and design following types of Registration page using class component?

Email

Enter email

Password

Enter Password

Repeat Password

Repeat Password

By creating an account you agree to our Terms & Privacy.

Register

Q2. Create React Application You have to create Two class component name as NavBar ,HeroBanner, import all Components in App component and App component in index.js file and design following types of UI

NavBar component (U

NavBar + HeroBanner Component UI

FOR COMPANIES
"WE HELP YOU TO HIRE RIGHT TALENT."

180 pt

Interview Question

Q1. What is event in React JS and how to handle it using class component?

Q2. Explain onClick, onChange, onMouseOver, onMouseOut etc events in React?

Q3. Explain state variable in React class component and why use it?

Q4. What is props in React in and why use it?

Q5. How to handle the form in React using state variable?

Q6. How to manage generic events with form?

Q7. What is nested component in React?

Q8. How to pass data from one component to another component?

Q9. What is one way data binding in React?

Q10. Explain life cycle of class component?

Q11. What is purpose of render() method?

Q12. How you can embed two or more than two component into one?

Q13. What is diff between state and props?

Q14. How can you update state of component?

Q15. What is arrow function in React and how is it used?

Q16. Differentiate between stateful and stateless component?

Q17. Explain life cycle method of class component in depth?

Q18. How do you create event in react?

Q19. What is synthetic event in React?

Q20. What do you understand by ref in react?

Q21. List some events when you should use ref?

Q21. How do you modularize code in react?

Q22. What do you know about control and uncontrol component?

Assignments

Q1. WAP to create class component name as Add with three textbox and one button and user click two values in first two textbox and when user click on button then addition should display in third textbox.

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Note: you have to use state variable and onChange event in above example

Q2. WAP to create class component Name as Login with two textbox username and password with one button and when user click on button and if username is admin and password is admin then show message in heading tag welcome admin and if username and password is not admin then show message invalid username and password

Q3. WAP to create two class component names as Parent and Child and pass good morning message from parent component to child class component using props

Q4. WAP to create component name as ParentForm and ChildShow you have to design Registration form using ParentForm Component and when user click on button then show its data on ChildShow

Q5. WAP to create component name as UserProfile and design form using UserProfile component and perform following validation on it.

Perform Validation on above form.

Name: name textbox should not accept integer value or any other special symbol just accept space.

Email validation rules.

1. @ should not be starting point of letter

2. Dot may be more than one but last dot should be before 3 or 4 letters.

3. Should not accept more than one @ symbol.

4. Should not accept capital letter

5. Should not accept space

Contact validation rules.

1. Should not accept any alphabet or special symbol

2. Contact number length should be 10 digit.

Username validation rules.

1. Username length must be minimum 8 letters.

2. Space not allowed in username

Password validation rules.

1. Password length must be minimum 8 letter

2. At least one upper case letter must be present in password

3. At least one special symbol and digit must be present in password

Interview Question on Function component and Hooks

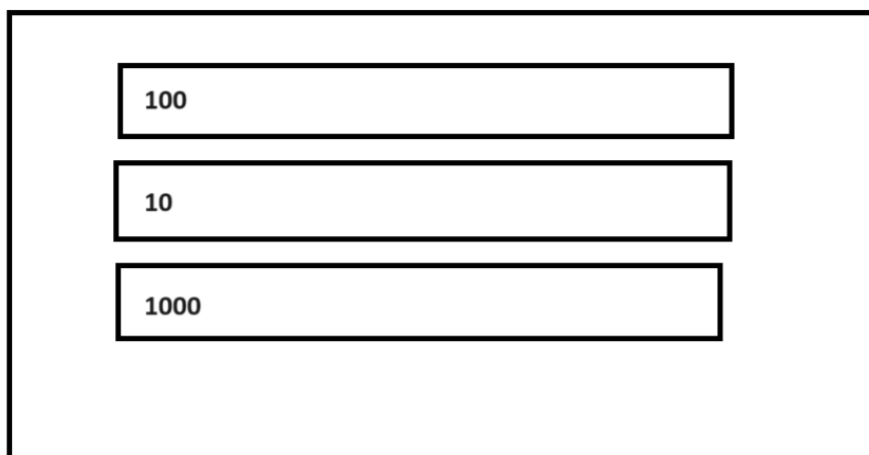Q1. what is function component and how to create it?

Q2. What is difference between function component and class component?

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Q3. How to achieve life cycle feature of class component in function component?

Q4. What hooks and why hooks in function component?

Q5. Can we use render () method in function component?

Q6. Explain how we can maintain state in function component?

Q7. Explain useState () hooks and how we can manage JavaScript object as value in hook?

Q8. What is useEffect() hook?

Q9. What is use of userRef() in hook?

Q10.what is used for useCallback hook?

Q11. What is use of useMemo() hook?

Q12. why were hooks introduced in React?

Q13. Name the rules that must be followed while using React hooks?

Q14. What do you know about the Custom hooks?

Q15. What is useContext() hook in React?

Q16. When we use useContext() hooks in React?

Programming Assignments on Function component?

Q1. WA React JS program using a function component which is display good morning message on web page?

Q2. WA React JS program using function component to design registration page?

Q3. WA React js program using function component to design page with three textbox first text box as quantity and second textbox as rate and when user type in rate textbox then bill should be automatically visible in third textbox?
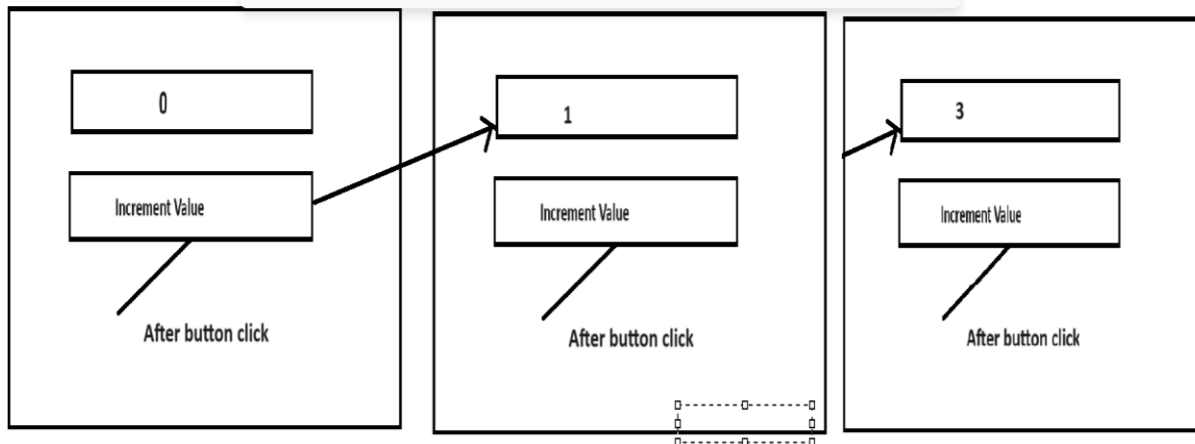
Q4. WA Function component in React where you can design button and one counter variable as state using useState () hook and when user click on button then its value should be increment by one and display on web page?

Q5. WA React JS program to design registration form and handle it using generic event handling and display data when user click on button.

Q7. WAP to design three component A,B and C and pass data from component A to C using useContext() hook?

Q8. WAP to design two button with two counter values and increase first counter using useEffect() hook?

Interview Question on React Routing

Q1. What is React Router?

Q2. Can you explain the main benefits of using React Router?

Q3. Is it possible to use React Router with server-side rending if yes then how?

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Q4. How does browser history work in React Router?

Q5. What are some examples of a router in React Router?

Q6. Can you give me an example of where and how you would use React Router?

Q7. Do all routers have to be declared on a single page or can they be spread across multiple pages?

Q8. What is nested routing?

Q9. What do you understand about the to attribute in React router?

Q10. What is diff between extact path and path?

Q11. What are named component in React Router?

Q12. Why are not we able to access this.props.history our component when using react-router-v4?

Q13.what is difference between react-router-dom and react-router-native?

Q14. What is activeClassName and what is it usage in React router?

Q15. What is the best way to allow uses to navigate different routes without using links?

Q16. How to installed react-router-dom?

Programming practice using React Component?

Q1. Design following navigation bar using React routing dom?
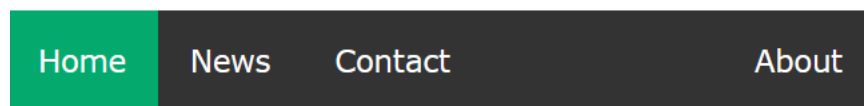
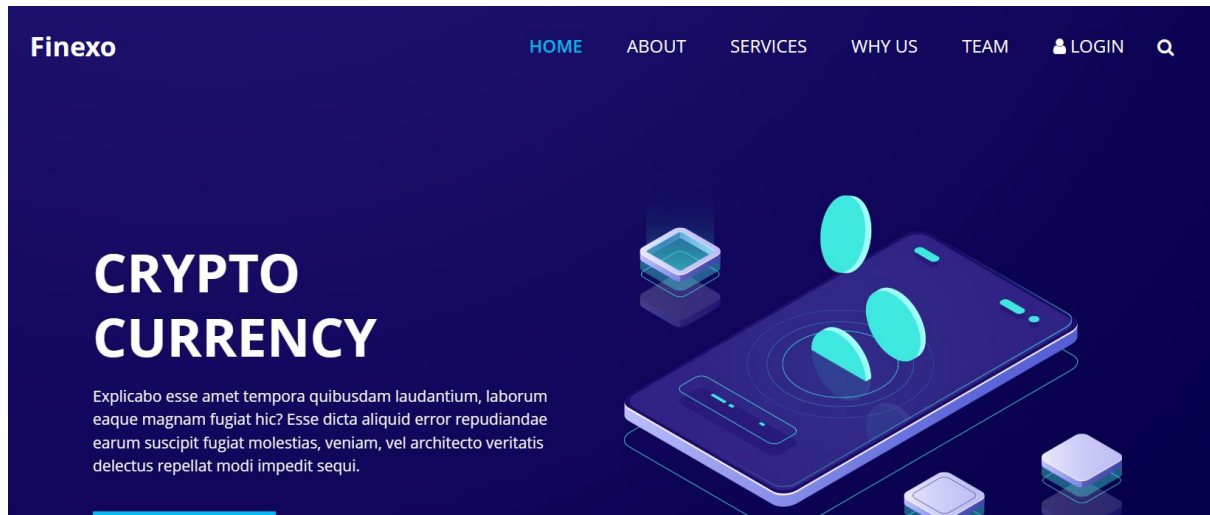**Interview Question on BootStrap in React JS?**

Q1. how many methods to use bootstrap in React JS?
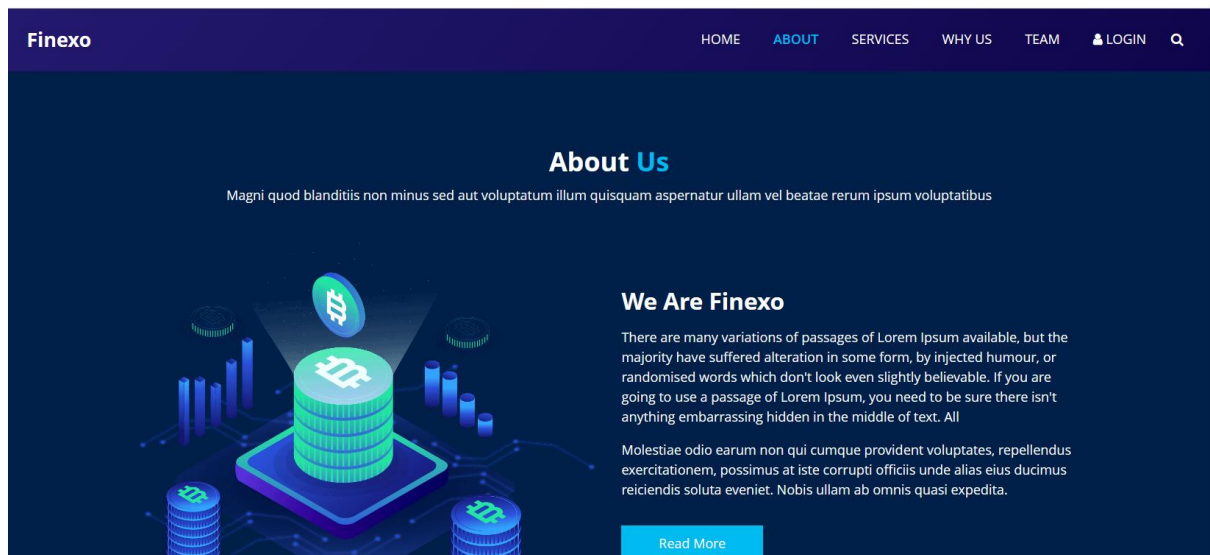
Q2. How to use bootstrap in react using CDN?

Q3. How to use bootstrap as dependency?

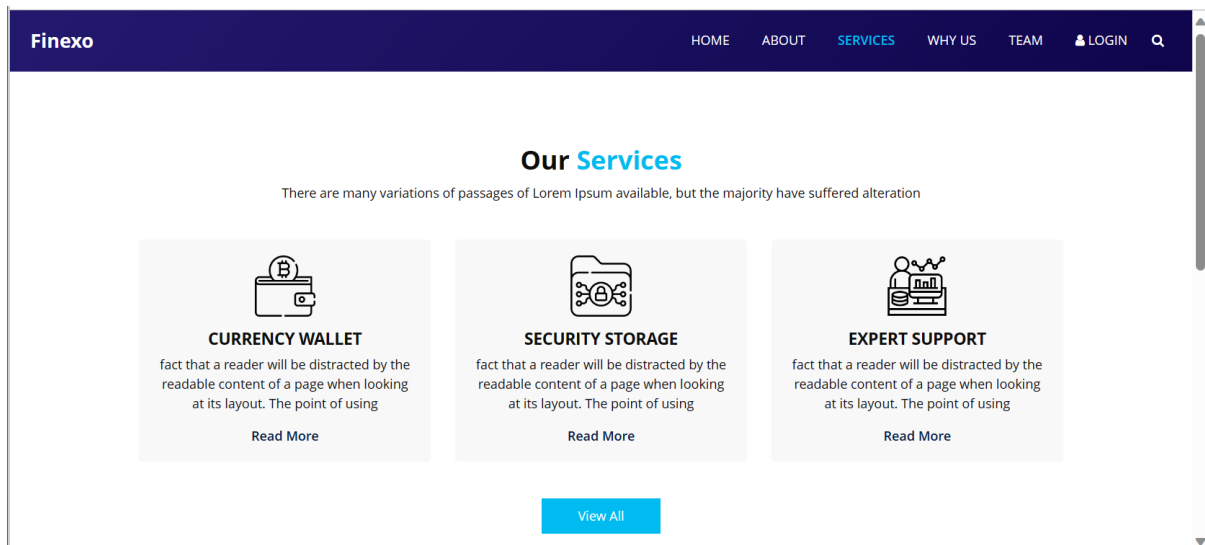Q4. How to install bootstrap in React?

Design Following web page using React and BootStrap

When user click on about page then your have to display following page.

When user click on services then your should have to display following page.

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Note: you can download the images and can see the template demo using a following URL

Visit following URL for live demo and download source code.

[Finexo Free Website Template | Free CSS Templates | Free CSS (free-css.com)](#)

Interview Question on API Calling using React

Q1. what is rest ful web serivces and why use rest api?

Q2. How to call REST API in react using axios library?

Q3. How to create service for calling REST API?

Q4. What is axios library and how to installed in react library?

Q5. What is promisses in java script and why use it?

Assignments

CRUD Application using a React

Objective: You have to design Mini Project using for Employee Management system.

Task: you have to create table name as Employee with field id,name,email,contact and salary and perform add employee , view employee , search employee, delete and update employee operation on it.

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Technical Stack

Front End: HTML,CSS, bootstrap, React,Ajax And JSON

Backend: you can use   servlet , spring mvc or spring boot etc

Your Application look as

Insert Employee Functionality

Add New Employee   View Employee   Search Employee
Enter name
Enter Email
Enter contact
Enter Salary
Add New Employee

When user click on Add New Employee button then data should save in Employee database table

When user click on view employee your form should look like as

Add New Employee View Employee Search Employee					
Name	Email	Contact	Salary	Delete	Update
ram	ram@gmail.com	1234567891	10000	delete	update
shyam	shyam@gmail	4444444444	20000	delete	update

When user click on delete button then record should be delete and when user click on update button

Then user should have to open form like as suppose consider user click on update hyperlink from first row then you have to open new form and display like as

Add New Employee View Employee Search Employee
ram
ram@gmail.com
1234567891
10000
Final Update

When user click on final update button then employee record should be updated.

When user click on search Employee hyperlink then your form should visible like as

Add New Employee   View Employee   Search Employee

r

Name	Email	Contact	Salary	delete	update
ram	ram@gmail.com	123456781	10000	delete	update

When user type any letter of name column if it is present in employee name then employee record should be display in grid or user can search employee using email,using contact etc

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