

# REACT.JS INTERVIEW

A K S H A Y   S A I N I

[ LIVE ] REACT JS INTERVIEW 🧐 |  
FRONTEND UI QUESTIONS 🤔



W R I T T E N   B Y  
S H Y A M 3 0 5 0

## AFTER INTRODUCTION

Q: Difference between state and props in React?

Ans: Whenever you are building React application. You have to build components inside React & these small small components are need to manage data. To manage data inside components we use state. Props which is something components receives.

Q: How will you create new projects?

Ans: There are multiple ways one is create-react-app package. This built new projects. React project will getting created we will code inside it.

Q:What will be there in this project?

Ans: This package will build dummy react application for us. It gives bundler or set of testing. It will be a ready to go live application.

Q: What do you mean by package the content?

Ans: When we develop react application. There are so many css, js files, components etc. we can't host then directly on web. We need to run that application on to server. So it creates a server for us host our application on local host and it will help us create a build.

Q:How it help us to create a build?

Ans: In create-react-app it uses bundler called webpack. which job is to compile code , runit and host etc.

***AKSHAY SOWS THE INSTALLATION OF CREATE-REACT-APP & EXPLAINS THE STRUCTURE.***

Q: What is the public folder in it?

Ans: Public folder have content which need our application like icons, manifest.json etc

Q: What is PWA?

Ans: Pwa is a progressive web application.

Q: What is Robust.txt in public folder?

Ans: It is helpful for seo & to make our website crawls for search engine.

Q: What is node\_modules folder?

Ans: It is a place where all the dependencies in our projects are. Dependencies mean when we develop react app it needs some other js packages. Those packages are installed in node\_modules folder. It has lot of js code. Which are used by our webpack make our app run you can say helper packages which can be used inside our React application.

*NOW AKSHAY MOVES TO WRITING CODE FOR STATE & PROPS*

Q: What is the functional component.

Ans: There are two types of components in react.

- Class based component
- Functional component

Functional component is normal js function which return some Jsx code. Jsx is html like syntax used to write html like syntax in JavaScript.

Q: What is useState?

Ans: use state is a hook. React gives us hooks. We can use it. These are like utility functions. to create special dynamic variable we use usestate.

If the variable change dynamically we use usestate. It cause to render the app. Whatever state change react render that component.

Q: can't we modify state variable directly?

Ans: we can't modify state variable directly it is not advisable not allowed by react. usestate returns array first element is variable which value set as passed valued on usestate. The second one is the state update function. We update the variable using it.

Q: Is it mandatory for use setName convension for state update function?

Ans: Not mandatory. This is react industry standard recommended by react.

Q: What are props?

Ans: If parent component want's send to data to children component then we use props. The child will receive props over the parameter of functional component. It's is basically a object which has all props which we passed.

*HAVE YOU SEEN A CROUSEL CAN YOU BUILD A CROUSEL*

Q: What is difference between default vs named export?

Ans: There are two ways to export from file

1) Default export

2) Named export

If js files need to export one thing generally we prefer default export. If we have multiple things need to exports in file we use named exports. There can't be two default exports.

Q: Is it good way use inline css in jsx?


Ans: It is not a good way but it is a way we can write css but we can use css frameworks like tailwindcss.

*You can checkout coding part in my github repo by click this link: [LINK](#)*

Q: What is tailwind css?

Ans: It is a css framework. It gives us pre built classes it is good for large scale application. It help us to optimize css code.

Q: What does @tailwind base,  
@tailwind components,  
@tailwind utilities?



```
index.css 3 x
frontend > src > index.css > ...
1  @tailwind base;
2  @tailwind components;
3  @tailwind utilities;
```

Ans: All the css which compiles by the tailwind will come from these packages. When we write tailwind classes it generated css for us.

Q: What else we can optimize our App?

Ans: optimization can happen at different level. We can optimize css, js and images etc. we can compress images, we use CDN.

Q: What about optimization of js & css?

Ans: write better React code. Minified js code, when we use tailwind it automatically minified. When we have tailwind it only put required css which is the advantage of tailwindcss.

Q: Are you aware of key in React?

Ans: Whenever using map or iterate elements. Key should be used. Because while adding or deleting elements it helps react to update dom efficiently. Always use key as unique.



## Thank you

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You can checkout coding part in my github repo link below: [LINK](https://github.com/Shyam3050/AkshayReactjs_interview_live)  
[https://github.com/Shyam3050/AkshayReactjs\\_interview\\_live](https://github.com/Shyam3050/AkshayReactjs_interview_live)