

# React JS Training Content day - 5

## 1. What is componentDidMount in React Component ?

**Ans :** componentDidMount() is method in React class component which allow to execute code inside in its scope. It trigger only once so we can use it call api or one time process in our component. componentDidMount() method is triggered after render method.

## 2. What render method in React Component?

**Ans :** render is method which is responsible to display user interface in React Component. it trigger at time of component loading. if any changes happen in either in state or props the render method is re-trigger to update value in user interface.

## 3. What is componentDidUpdate in React?

**Ans :** componentDidUpdate is part of React component's life cycle. this method trigger if any change happens in component. if any change happens in props provided by parent component or any changes is being done in state, this method trigger to execute a code.

## 4. What is shouldComponentUpdate in React?

**Ans :** shouldComponentUpdate is part of React component's life cycle. this method allows us to avoid calling it again and again on every re-render. shouldComponentUpdate only updates the component if the props passed to it changes.

## 5. What is componentWillUnmount in React?

**Ans :** componentWillUnmount is part of React component's life cycle allows us to execute the React code when the component gets destroyed or unmounted from the DOM (Document Object Model). This method is called during the Unmounting or dismissed. It can be used to keeping log of website visitor.

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## Assignment for sign up form

1. build a sign up form
  - field name email
  - field name password
  - submit button
2. Build component to show notification
3. if email and password is empty then notify warning message with red background
4. if password is less than 6 character please show warning message
5. in case of success please show success full message with green background.

## Assignment for Employee model

Build a Employee crud keeping array data in component scope.

1. adding a new Employee
2. update existing Employee
3. Delete a record from list of Employee
4. List all employee on page

please find Employee model details here

model details { empid : <number> , empname :<string>, salary :<number>}

Display grade according to salary amount.

Grade and salary details here

if salary is up to 50000 then display grade name D and color code is yellow.

if salary is between 50000>= and <100000 then display grade name C and color code is blue

if salary is between 100000>= and <200000 then display grade name B and color code is green

if salary is between 200000>= and <500000 then display grade name A and color code is red.