**NAMASTE REACT-AKSHAY SAINI**

**CHAPTER 11 – DATA IS THE NEW OIL-Theory Notes**

1. What is prop drilling?

Ans:-

Passing data from parent to its child, to its grandchild to their grandchildren where the data is actually needed is known as props drilling.

It is okay to use props drilling if hierarchy is less else we have to use UseContext or Redux.

1. What is lifting the state up?

Ans:-

Refer:- <https://reactjs.org/docs/lifting-state-up.html>

Lifting the state up means moving the state from child component to the closest common ancestors (parent component) so that state can be shared across siblings. Thus parent has complete control over data change in child siblings.

1. What is Context.Provider and Context.Consumer?

Ans:-

Context.Provider is used when we have to update/modify value across everywhere in our app.

The Provider component accepts a value prop to be passed to consuming components that are descendants of this Provider. One Provider can be connected to many consumers. Providers can be nested to override values deeper within the tree.

A React component that subscribes to context changes. Using this component lets you subscribe to a context within a [function component](https://reactjs.org/docs/components-and-props.html#function-and-class-components).

For Class based Component, we have to import context as a component and add it like a <Context.Consumer></Context.Consumer>

For eg:-

<MyContext.Consumer>

{value => /\* render something based on the context value \*/}

</MyContext.Consumer>

Refer: - <https://reactjs.org/docs/context.html>

1. If you don’t pass a value to the provider does it take the default value?

Ans:-

Yes, if we don't pass the value to provider its picks up the default value. Refer App.js file.