React Notes -

1. React component name should always start with capital letter.
2. Without parenthesis every line after return statement in component will be ignored.
3. We cannot create one component inside another component, but we can have more than one component declared in one file separately.
4. There are two types of import and exports - default export/import, named export/import.
5. There can only be one default export in a single js file.
6. All the jsx tags should be wrapped in a single tag.
7. To use Javascript in JSX we have to use curly braces - {}
8. Syntax to pass props to a component - <Component propName={propData} />
9. Syntax to access props in a component - function Component({propname})
10. Syntax to destructure an object - const {key1, key2, key3} = object
11. Destructuring an object allows us to extract the required properties from an object and bind them to variables.
12. We can render the JSX code based on some boolean condition using if/else blocks and ternary operators.
13. Logical AND operator usage in react - variable && operation on the variable. This signifies : if the variable value is present then only perform the operation. Never use it this way : number && operation on number; because number always have a value.
14. Syntax to render an array : <> arrayName.map( (arrayItem) => { return <tag key={arrayItem.id or index{>{arrayItem.value}</tag></>
15. We use filter or map method of array to render a list.
16. A pure component is one that does not changes the incoming data. It should mind its own business, meaning for same input it should return same output.