**React Assignment Module – 4 (List and Hooks).**

**Q. 1. Explain Life cycle in Class Component and functional component with Hooks.**

* **There are two types of components we can used in react.**

1. Class Components: A class components is a type of react components, It is used to create reusable pices of code.
2. Function Components: It is also provide us reusable facility of pices of code but It is accept props and inputes and return JSX.

* **Life cycle:**

1. Life Cycle of Components: There are some methods of class component life cycle.
2. Mounting.

* Constructor() : It is used for create constructor in the class.
* getDerivedStateFromProps() : It is used for props passing and creat state.
* render() : It is used for rendering.
* componentDidMount() : It is working for component creation.

1. Updating.

* getDerivedStateFromProps() : It is used for props passing and creat state.
* shouldComponentUpdate() : It is asking us for component update.
* render() : It is used for component rendering.
* getSnapshotBeforeUpdate() : It is working after component update, and it is take a snapshot after component updated.
* componentDidUpdate() : it is called when component updating is completed.

1. Unmounting.

* componentWillUnmount() : It is called after component process completed and component was leave.

1. Function Components: There are some methods of function component life cycle.
2. Mounting and Updating: It is working with useEffect() hook.
3. State Management: It is working with useState() hook.
4. Context: It is working with useContext() hook.