**Chapter-16**

**Memo:** React.memo issimilar to PureComponent but its works with functional component

PureComponent only re-render the component only when there is difference is shallow-comparison in of props and state which leads to performance improvement but it only works in class components but we can achieve the same thing in functional component using react. React.memo.

import React from "react";

function MemoComp({ name }) {

  console.log("Rendering memo component");

  return <div>{name}</div>;

}

export default React.memo(MemoComp);

import React, { Component } from "react";

import MemoComp from "./Ch16memo";

class MemoParentComp extends Component {

  constructor(props) {

    super(props);

    this.state = {

      name: "abhi",

    };

  }

  componentDidMount() {

    setInterval(() => {

      this.setState({

        name: "abhi",

      });

    }, 2000);

  }

  render() {

    console.log("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Parent Component\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

    return (

      <div>

        Parent Component

        <MemoComp name={this.state.name} />

      </div>

    );

  }

}

export default MemoParentComp;