Weekly Tasks

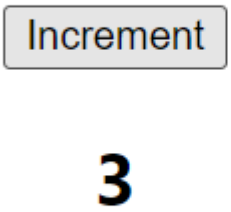
Week 6:

Exercise 1: Click Counter

```
import './App.css';
import Counter from './components/Counter';
function App() {
  return (
    <div className="App">
      <Counter/>
    </div>
  );
}
export default App;

import React from 'react'
import { useState } from 'react'
export default function Counter()
{
    const[current,setCurrent]=useState(0);
    function handleInc()
    {
        setCurrent(current+1);
    }
    function handleDec()
    {
        setCurrent(current-1);
    }
    return(
        <div style={{marginTop:"15%"}}>
        <button onClick={handleInc} >Increment</button>
        <br/>
        <h2>{current}</h2>
        </div>
    )
}
```

Output:



Exercise 2: Toggle Text

```
import './App.css';
import Toggle from './components/Toggle';
function App() {
  return (
    <div className="App">
      <Toggle/>
    </div>
  );
}
export default App;
```

```
import React from 'react'
import { useState } from 'react'
const Toggle = () => {
    const[text,setText]=useState(true);
    function handleChange()
    {
        setText(!text)
    }
  return (
    <div>
         <h2>{text?"Ajay":"Sri"}</h2>
         <button onClick={handleChange}>Click</button>
    </div>
  )
}
```

```
export default Toggle
```

Output:

Exercise 3: List Item Deletion

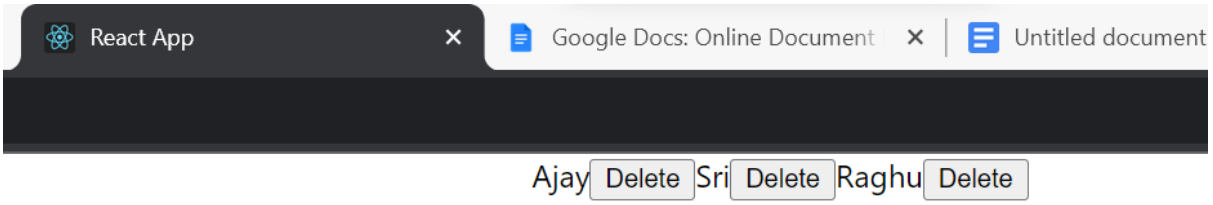
```
import './App.css';
import ListItems from './components/ListItems';
function App() {
  return (
    <div className="App">
      <ListItems/>
    </div>
  );
}
export default App;
```

```
import React from 'react'
import { useState } from 'react'
const ListItems = () => {
    const[list,setItem]=useState(["Ajay","Sri","Raghu","Wiku"]);
    function handleDelete(index)
    {
        setItem(old=>{
            return old.filter((v,i)=>i!==index)
        })
    }
  return (
    <div>
        {
```

```
            list.map((val,index)=>
            {
                return(
                    <>
                    <h>{val}</h><button
onClick={()=>handleDelete(index)}>Delete</button>
                    </>
                )
            })
        }
    </div>
  )
}

export default ListItems
```

Output:



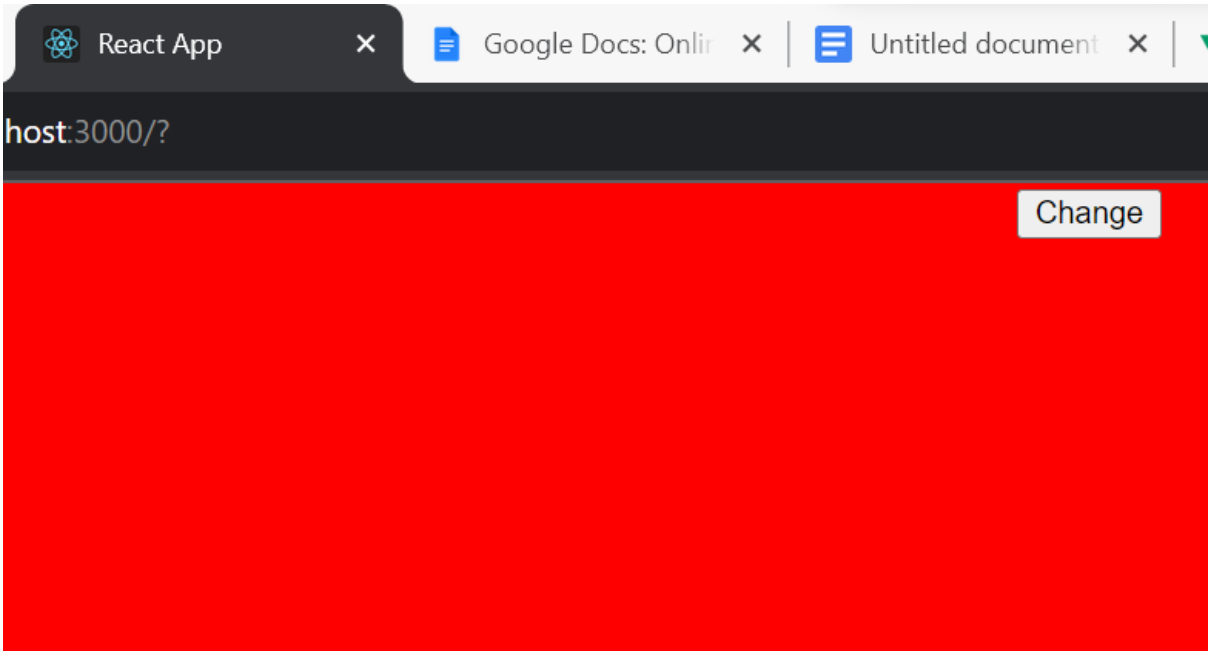
Exercise 4: Color Changer

```
import './App.css';
import Colorchange from './components/Colorchange';
function App() {
  return (
    <div className="App">
      <Colorchange/>
    </div>
  );
}
export default App;
```

```
import React from 'react'
```

```
import { useState } from 'react'
const Colorchange = () => {
    const color=["red","grey","yellow","white"];
    let random=Math.floor(Math.random()*4);
    const[Colorchange,setColor]=useState("blue");
    function handleChange()
    {
        setColor(color[random])
    }
  return (
    <div style={{backgroundColor:`${Colorchange}`,height:"100vh"}}>
        <button onClick={handleChange}>Change</button>
    </div>
  )
}
export default Colorchange
```

Output:



Exercise 5: Form Submission

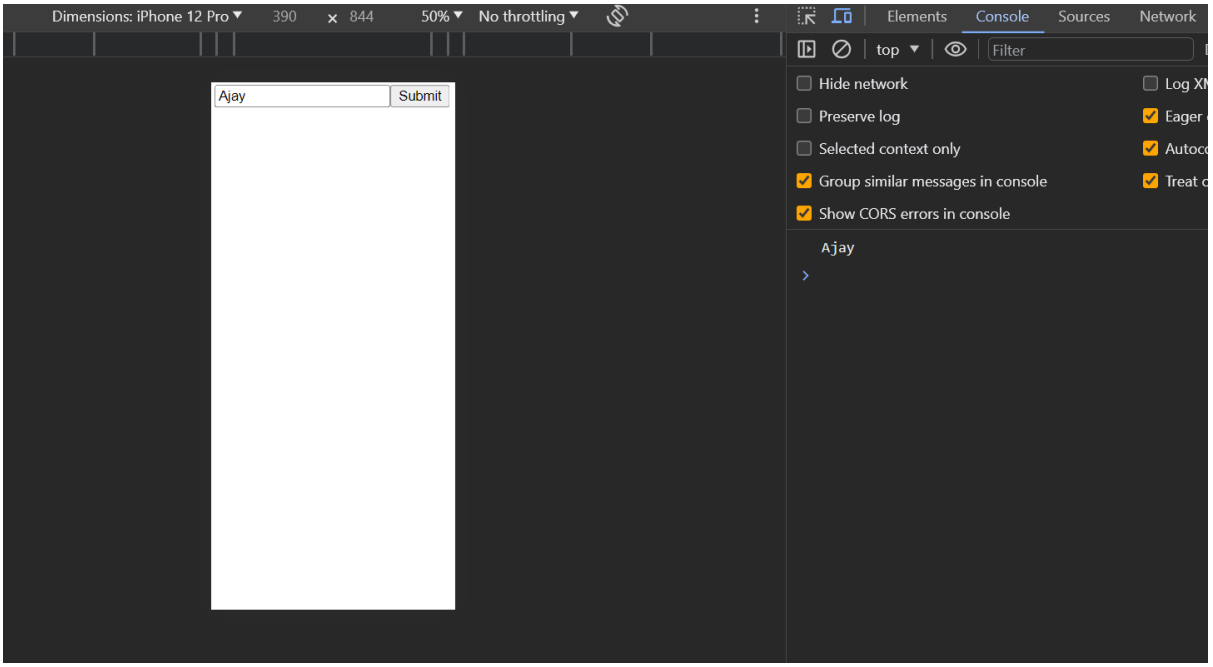
```
import './App.css';
import Formsubmit from './components/Formsubmit';
function App() {
  return (
    <div className="App">
      <Formsubmit/>
    </div>
  );
```

```
}
export default App;

import React from 'react'
import { useState } from 'react'
const Formsubmit = () => {
    const[sub,setSub]=useState('');
    function handleChange(e)
    {
        setSub(e.target.value);
    }
    function handleSubmit(e)
    {
        e.preventDefault();
        console.log(sub);
    }
  return (
    <div>
        <form onSubmit={handleSubmit}>
            <input placeholder="Enter Name"
onChange={handleChange}></input>
            <button type="submit">Submit</button>
        </form>
    </div>
  )
}

export default Formsubmit
```

Output:



Exercise 6:Mouse HighLight

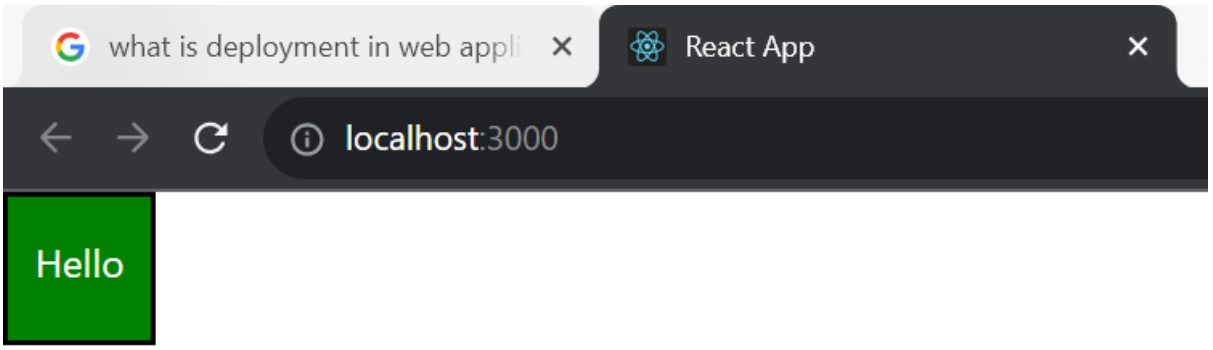
```
import './App.css';
import MouseOver from './components/MouseOver';
function App() {
  return (
    <div className="App">
      <MouseOver/>
    </div>
  );
}
export default App;

import React from 'react'
import { useState } from 'react'
const MouseOver = () => {
    const[mouse,setMouse]=useState("blue");
    function handleOn()
    {
        setMouse("yellow");
    }
    function handleOff()
    {
        setMouse("green");
    }
  return (
    <div style={{height:"10vh",width:"10vh",border:"2px solid
black",backgroundColor:`${mouse}`}}>
```

```
        <p onMouseOver={handleOn} onMouseOut={handleOff}
style={{color:"white"}}>Hello</p>
    </div>
  )
}

export default MouseOver
```

Output:



Exercise 7: Dynamic Input Field

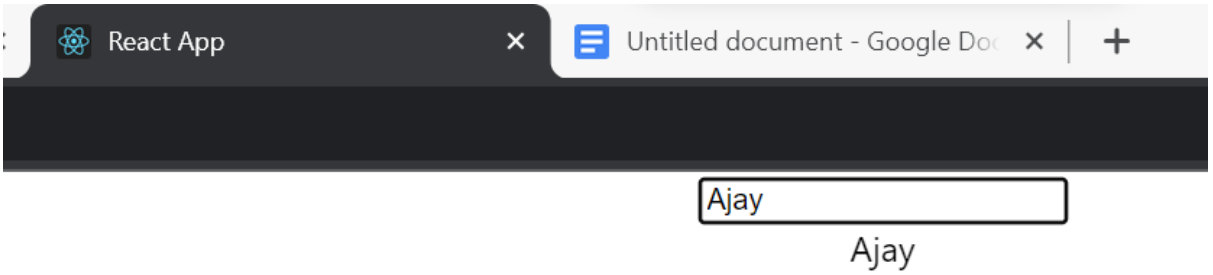
```
import './App.css';
import Dynamic from './components/Dynamic';
function App() {
  return (
    <div className="App">
      <Dynamic/>
    </div>
  );
}
export default App;

import React, { useState } from 'react'
const Dynamic = () => {
    const[change,setChange]=useState("");
    function handlechange(e)
    {
        setChange(e.target.value);
    }
  return (
```

```
    <div>
        <input onChange={handlechange} placeholder="Enter Name:"
></input>
        <br/>
        {change}
    </div>
  )
}

export default Dynamic
```

Output:



Exercise 8: Double Click to remove

```
import './App.css';
import Doubelremove from './components/Doubelremove';
function App() {
  return (
    <div className="App">
      <Doubelremove/>
    </div>
  );
}
export default App;
```

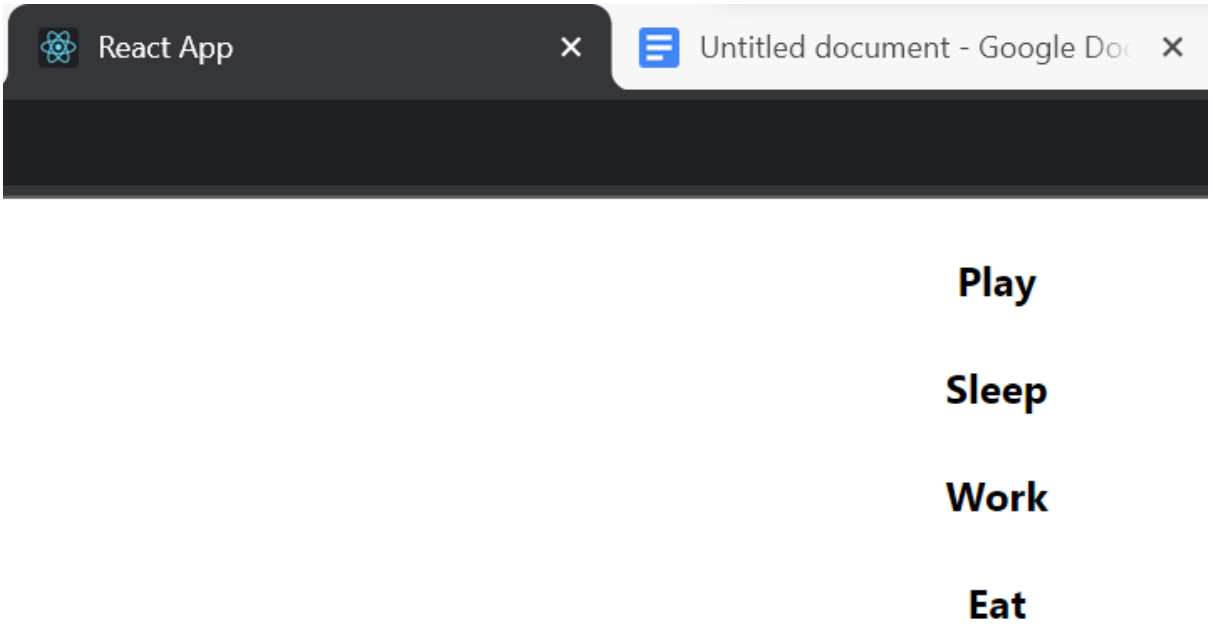
```
import React, { useState } from 'react'
const Doubelremove = () => {

const[list,setList]=useState(["Play","Sleep","Work","Eat","Roaming"]);
    function handleDelete(index)
    {
        setList(old=>{
            return(
                old.filter((val,i)=>i!==index)
```

```
            )
        })
    }
  return (
    <div>
        {list.map((val,index)=>
        {
            return(
            <>
            <h4 onDoubleClick={()=>handleDelete(index)}>{val}</h4>
            </>
            )
        })}
    </div>
  )
}

export default Doubelremove
```

Output:



Exercise 9: Right Click Menu

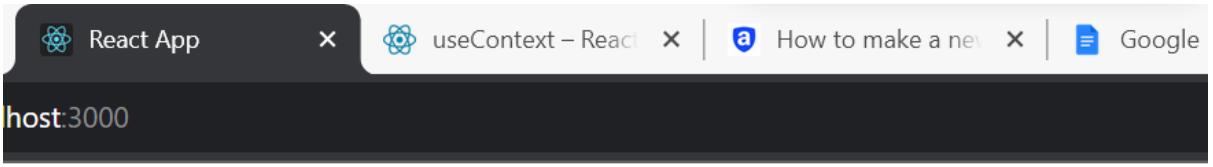
```
import './App.css';
import RightClick from './components/RightClick';
function App() {
  return (
```

```
    <div className="App">
      <RightClick/>
    </div>
  );
}
export default App;

import React, { useState } from 'react'
const RightClick = () => {
    const[right,setRight]=useState('');
    const display=["Ajay","Ram","Ragh","Wiku"]
    async function handleMenu(e)
    {
     setRight(display.map((val)=>`${val}\n`))
    }
  return (
    <div>
        <button onContextMenu={handleMenu}
style={{marginTop:"2%"}}>Menu Click</button>
        <br/>
        <div >
        <pre><h4>{right}</h4></pre>
        </div>
    </div>
  )
}

export default RightClick
```

Output:



Menu Click

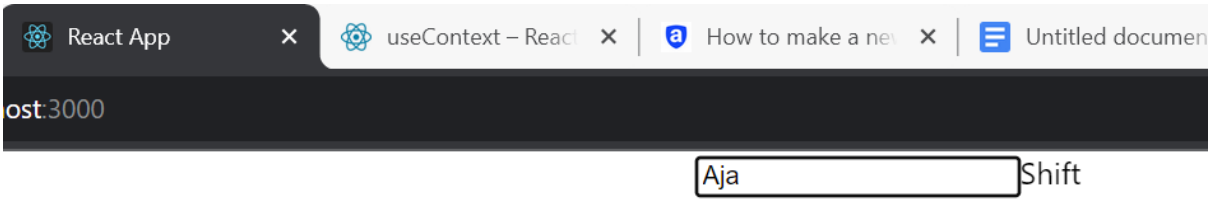
Ajay
Ram
Ragh
Wiku

Exercise 10 :Keyboard

```
import './App.css';
import Keyboard from './components/Keyboard';
function App() {
  return (
    <div className="App">
      <Keyboard/>
    </div>
  );
}
export default App;

import React, { useState } from 'react'
const Keyboard = () => {
    const[keydown,setKeyDown]=useState('');
    function handleKey(e)
    {
        setKeyDown(e.key)
    }
    return (
    <div>
        <input onKeyDown={handleKey}></input>
        {keydown}
    </div>
  )
}
export default Keyboard
```

Output:



Exercise : Local Time

```
import './App.css';
import Counter from "./components/Counter"
function App() {
  return (
    <div className="App">
      <Counter/>
```

```
    </div>
  );
}
export default App;
```

```
import React, { useEffect } from 'react'
import { useState } from 'react'
const LocalTime = () => {
    const[curr,setCurr]=useState(new Date());
    useEffect(()=>
    {
        const interval=setInterval(()=>
        {
            setCurr(new Date());
        },1000);
        return ()=>clearInterval(interval);
    },[]);
  return (
    <div>
        <p>{curr.toLocaleTimeString()}</p>
    </div>
  )
}
export default LocalTime
```

Output:

Exercise 12 : Counter With Reset

```
import './App.css';
import Counter from "./components/Counter"
import LocalTime from './components/LocalTime';
function App() {
  return (
    <div className="App">
      <LocalTime/>
    </div>
  );
}
export default App;
```

```
import React from 'react'
import { useState } from 'react'
export default function Counter()
{
    const[current,setCurrent]=useState(0);
    function handleInc()
    {
        setCurrent(current+1);
    }
    function handleDe1()
    {
        setCurrent(0);
    }
    return(
        <div style={{marginTop:"15%"}}>
        <button onClick={handleInc} >Increment</button>
        <br/>
        <h2>{current}</h2>
        <button onClick={handleDe1}>Reset</button>
        </div>
    )
}
```

Output:

Exercise 13 : Text Length Indicator

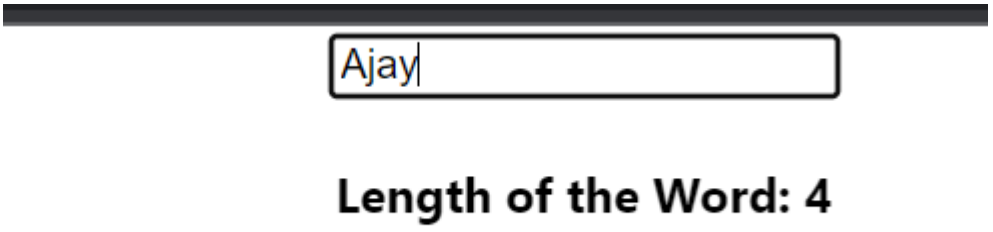
```
import './App.css';
import TextLength from './components/TextLength';
function App() {
  return (
```

```
    <div className="App">
      <TextLength/>
    </div>
  );
}
export default App;
```

```
import React from 'react'
import { useState } from 'react'
const TextLength = () => {
    const[length,setLength]=useState(0);
    function handleChange(e)
    {
        setLength(e.target.value)
    }
  return (
    <div>
        <input onChange={handleChange} placeholder="Enter
Name"></input>
        <br/>
        <h4>{`Length of the Word: ${length.length}`}</h4>
    </div>
  )
}

export default TextLength
```

Output:



Exercise 14: password Strength

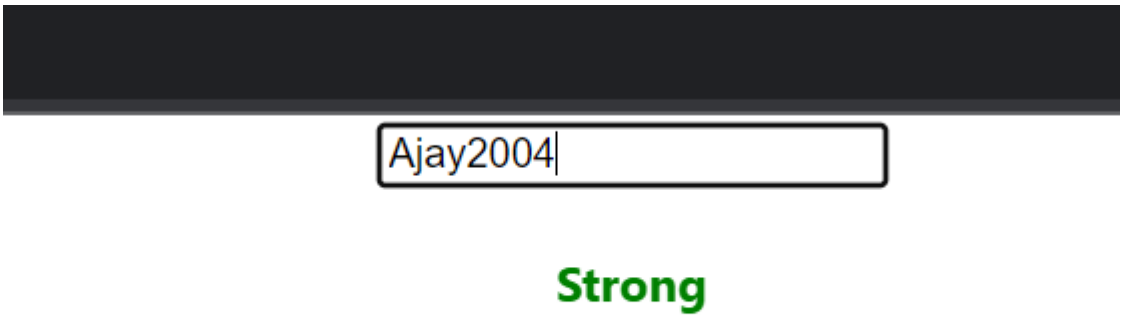
```
import './App.css';
import PasswordIndi from './components/PasswordIndi';
function App() {
  return (
    <div className="App">
```

```
      <PasswordIndi/>
    </div>
  );
}
export default App;
```

```
import React from 'react'
import { useState } from 'react'
const PasswordIndi = () => {
    const[pass,setPass]=useState('');
    function handleChange(e)
    {
        setPass(e.target.value);
    }
    let sty="green";
    let sty1="red";
  return (
    <div>
        <input onChange={handleChange} placeholder="Enter
Password"></input>
        <br/>
        <h4
style={{color:`${pass.length>=8?sty:sty1}`}}>{pass.length>=8?"Strong":"
Weak"}</h4>
    </div>
  )
}

export default PasswordIndi
```

Output:



Exercise 15 : Auto-Complete Dropdown

```
import './App.css';
import AutoComplete  from './components/AutoComplete';
import MouseOver from './components/MouseOver';
function App() {
  return (
    <div className="App">
      <AutoComplete/>
      {/* <MouseOver/> */}
    </div>
  );
}
export default App;
```

```
import React from 'react'
import { useState,useEffect } from 'react'
const AutoComplete = () => {
    const [inputValue, setInputValue] = useState('');
    const [suggestions, setSuggestions] = useState([]);

    // Dummy data for autocomplete suggestions
    const allSuggestions = ['Apple', 'Banana', 'Cherry', 'Date',
'Grape', 'Lemon', 'Orange'];
    useEffect(() => {
      // Filter suggestions based on the input value
      const filteredSuggestions = allSuggestions.filter(
        suggestion =>
suggestion.toLowerCase().includes(inputValue.toLowerCase())
      );
      setSuggestions(filteredSuggestions);
    });

    const handleInputChange = (e) => {
      setInputValue(e.target.value);
    };
    return (
      <div className="autocomplete-container">
        <input
          type="text"
          value={inputValue}
```

```
          onChange={handleInputChange}
          placeholder="Type something..."
        />
        {suggestions.length > 0 && (
          <ul className="suggestions-list">
            {suggestions.map((suggestion, index) => (
              <li>
                {suggestion}
              </li>
            ))}
          </ul>
        )}
      </div>
    );

}

export default AutoComplete
```

Output: