

# React code challenge

## 1.) Polymerphism or update parent component

```
import React, { useState } from 'react';

function Child({setValue}){
  return(
    <div>
      <div style={{border:'5px solid #fafa'}}>
        <h3>child state</h3>
        <button onClick={()=>setValue("updated")}>click here</button>
      </div>
    </div>
  );
}

function UpdateParent() {
  const[value,setValue]=useState(" need to change the state")
  return (
    <div>
      <div style={{border:'5px solid #fafa'}}>
        {value}
      </div>
      <Child setValue={setValue}/>
    </div>
  );
}

export default UpdateParent;
```

## 2.) Two way data fetching

```

import React, { useState } from 'react';

function Twoway(props) {
  const [text, setText] = useState("")
  return (
    <div>
      <label>Two way data binding</label>
      <div>
        <input
          type='text'
          value={text}
          placeholder='Enter your text'
          onChange={ (e) => setText(e.target.value)}
        />
        <p>{text}</p>
      </div>
    </div>
  );
}

export default Twoway;

```

### 3.) Hide and show component

```

import React, { useState } from 'react';

function Hideshow(props) {
  const [show, setShow]=useState(true);

  return (
    <div>
      <button onClick={()=> setShow(!show)}> {show? "Hide the element": "show the element"} </button>
      <div>{show && "This is the output"}</div>
    </div>
  );
}

export default Hideshow;

```

### 4.) Enable button

```

import React, { useState } from 'react';

function Enablebtn(props) {
  const [btn, setBtn] = useState("")

  return (
    <div>
      <label>Button enable funtion</label>
      <div>
        <input
          type='text'
          value={btn}
          onChange={ (e) => setBtn(e.target.value) }
        />
        <button disabled={btn.length<1}>Submit</button>
        <p>{btn}</p>
      </div>
    </div >
  );
}

export default Enablebtn;

```

#### 5.) counter program (value increment and decrement)

```

import React, { useState } from 'react';

function Counter(props) {
  const [counter, setCounter]=useState(0)
  return (
    <div>
      <h3>Counter:{counter}</h3>
      <button onClick={ ()=>setCounter(counter+1) }>Increase</button>
      <button onClick={ ()=>setCounter(counter-1) }>Decrease</button>

    </div>
  );
}

export default Counter;

```

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