***Q)create a simple 4 input field(first name,last name ,email , phone no) in react and keep a submit button.The input field should not be empty,phone no should be 10 digits,email should meet the regular expectation of email,also alert theem if they do not meet the requirments***

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

***const SimpleForm = ()=>***

***{***

***const [formState, setFormState] = useState({***

***firstName: '',***

***lastName: '',***

***email: '',***

***phoneNo: ''***

***});***

***const handleSubmit = (event) => {***

***event.preventDefault();***

***if (formState.firstName === '' || formState.lastName === '' || formState.email === '' || formState.phoneNo === '')***

***{***

***alert('All fields are required!');***

***} else if (!/^[^\s@]+@[^\s@]+\.[^\s@]+$/.test(formState.email)){***

***alert('Invalid email address!');***

***} else if (!/^\d{10}$/.test(formState.phoneNo)) {***

***alert('Phone number should be 10 digits!');***

***} else {***

***console.log(formState);***

***}***

***};***

***const handleChange = (event) => {***

***setFormState({***

***...formState,***

***[event.target.name]: event.target.value***

***});***

***};***

***return (***

***<form onSubmit={handleSubmit}>***

***<label>***

***First Name:***

***<input type="text" name="firstName" value={formState.firstName} onChange={handleChange} />***

***</label>t***

***<br />***

***<label>***

***Last Name:***

***<input type="text" name="lastName" value={formState.lastName} onChange={handleChange} />***

***</label>***

***<br />***

***<label>***

***Email:***

***<input type="email" name="email" value={formState.email} onChange={handleChange} />***

***</label>***

***<br />***

***<label>***

***Phone No:***

***<input type="tel" name="phoneNo" value={formState.phoneNo} onChange={handleChange} />***

***</label>***

***<br />***

***<button type="submit">Submit</button>***

***</form>***

***);***

***}***

***export default SimpleForm;***

***given a array of object contain the id and name. Write a code in react thak renders the id and name fom the array and after that put a delete button on each of the data after clicking in it the data should be deleted***

import React, { useState } from 'react';

const MyComponent = () => {

const [data, setData] = useState([

{ id: 1, name: 'Item 1' },

{ id: 2, name: 'Item 2' },

{ id: 3, name: 'Item 3' },

]);

const handleDelete = (id) => {

setData(data.filter((item) => item.id !== id));

};

return (

<div>

{data.map((item) => (

<div key={item.id}>

<span>{item.id}: {item.name}</span>

<button onClick={() => handleDelete(item.id)}>Delete</button>

</div>

))}

</div>

);

};

export default MyComponent;

***use react for the following problem-->given an array of three items,show all the items in the array and a checkbox in front of all the items. Only when the checkbox is checked then only the delete button should appear and only after clicking the delete button the item geys deleted***

import React, { useState } from 'react';

const MyList = () => {

const [items, setItems] = useState(['Item 1', 'Item 2', 'Item 3']);

const [checkedItems, setCheckedItems] = useState([]);

const handleCheck = (item) => {

if (checkedItems.includes(item)) {

setCheckedItems(checkedItems.filter((i) => i !== item));

} else {

setCheckedItems([...checkedItems, item]);

}

};

const handleDelete = (item) => {

setItems(items.filter((i) => i !== item));

setCheckedItems(checkedItems.filter((i) => i !== item));

};

return (

<ul>

{items.map((item) => (

<li key={item}>

<input

type="checkbox"

onChange={() => handleCheck(item)}

checked={checkedItems.includes(item)}

/>

{item}

{checkedItems.includes(item) && (

<button onClick={() => handleDelete(item)}>Delete</button>

)}

</li>

))}

</ul>

);

};

export default MyList;