***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 them if they do not meet the requirements***

***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;***

***Q)given a array of object contain the id and name. Write a code in react that 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)); // yha pe item.id hai😲

};

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 gets 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) => ( // map ka syntax == a.map((i) => () ) ⇒ yha pe curly braces nhi use hote

<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;

**Q)use react -->You have given 2 arrays. First one is of games ['Cricket 1', 'Football 2', 'Hockey 3'] and second one is of days ['Weekday 1', 'Weekend 2']. From that arraya you will have to make radio buttons for each items in the array of games and days. Only one item should be selected at a time form each array thats why it is radio button. After selectinf a item that item should be displayed.**

import React, { useState } from 'react';

function App() {

const games = ['Cricket 1', 'Football 2', 'Hockey 3'];

const days = ['Weekday 1', 'Weekend 2'];

const [selectedGame, setSelectedGame] = useState(null);

const [selectedDay, setSelectedDay] = useState(null);

return (

<div>

<h2>Games</h2>

{games.map((game) => (

<div key={game}>

<input

type="radio"

id={game}

name="game"

value={game}

onChange={() => setSelectedGame(game)}

/>

<label htmlFor={game}>{game}</label>

</div>

))}

<h2>Days</h2>

{days.map((day) => (

<div key={day}>

<input

type="radio"

id={day}

name="day"

value={day}

onChange={() => setSelectedDay(day)}

/>

<label htmlFor={day}>{day}</label>

</div>

))}

<h3>Selected Game: {selectedGame}</h3>

<h3>Selected Day: {selectedDay}</h3>

</div>

);

}

**Q)given an array const countries = [ { name: 'India', value: 'IN', cities: [ 'Delhi', 'Mumbai' ] }, { name: 'Pak', value: 'PK',cities: [ 'Lahore' 'Karachi' ] }, { name: 'Bangladesh', value: 'BG', cities: [ 'Dhaka', 'Chittagong']} .Write a code in react such that it has two dropdowns. One must have options to select a country and the other must have cities of that country.**

export default App;

import React from "react";

// import useState from 'react';

import { useState } from 'react';

// import React from 'react'

const SimpleForm =()=> {

const countries = [

{ name: 'India', value: 'IN', cities: ['Delhi', 'Mumbai'] },

{ name: 'Pak', value: 'PK', cities: ['Lahore', 'Karachi'] },

{ name: 'Bangladesh', value: 'BG', cities: ['Dhaka', 'Chittagong'] },

];

const [selectedCountry, setSelectedCountry] = useState(null);

const [selectedCity, setSelectedCity] = useState(null);

const handleCountryChange = (event) => {

setSelectedCountry(event.target.value);

setSelectedCity(null);

};

const handleCityChange = (event) => {

setSelectedCity(event.target.value);

};

const cities = selectedCountry

? countries.find((country) => country.value === selectedCountry).cities

: [];

return (

<div>

<h2>Select a Country</h2>

<select value={selectedCountry} onChange={handleCountryChange}>

<option value="">--Please choose a country--</option>

{countries.map((country) => (

<option key={country.value} value={country.value}>

{country.name}

</option>

))}

</select>

<h2>Select a City</h2>

<select value={selectedCity} onChange={handleCityChange}>

<option value="">--Please choose a city--</option>

{cities.map((city) => (

<option key={city} value={city}>

{city}

</option>

))}

</select>

<h3>Selected Country: {selectedCountry}</h3>

<h3>Selected City: {selectedCity}</h3>

</div>

);

}

export default SimpleForm

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