-- used to make api call in react :
-- and it is an external package

-- so we made a component Axios where we have to call the api
-- for now we are going to use fake api's from google

NOTE : so whenever we call an api in our component it is preferred to call in useEffect hook

```js
Axios.js > ...
import axios from 'axios'
import React, { useEffect, useState } from 'react'

const Axios = () => {
    // to set any value / add any value,list,item we use useState hook
    // here we want to set the data that we are getting from the api
    const  [userData, setUserData] = useState([])
    // since the data we are getting in the form of array that's why we put
the [] as initial value


    useEffect(() => {
        axios.get("https://jsonplaceholder.typicode.com/users")
        .then((response) => {
            console.log(response)
            setUserData(response.data)
        })
    }, [])
  return (
    <div>Axios
        { userData.map((data) => {
            return(
                <div>{data.name} </div>
            )
        })}


    </div>
  )


}

export default Axios
```

-- so this is how we make get request using the axios .

=> POST method with axios : AxiosPost.js

-- we send data from frontend to the backend
-- this type of case occurs when we want to send the form data to the backend

1> so first we create the form

```jsx
const AxiosPost = () => {
    const data = {fname : "", lastName : ""};
    const [inputData, setInputData] = useState(data);

    const handleData= (e) => {
        setInputData({...inputData, [e.target.name]:e.target.value})
    }
    return (
        <>
            {/* form */}
            <label>First Name</label>
            <input type='text' name='fname' value={data.fname} onChange={handleData}></input><br/> <br/>
            <label>Last Name</label>
            <input type='text' name='lastName' value ={data.lastName} onChange={handleData}></input><br/>
        </>
    )
}
```

-- and now we will send the data to the server

```jsx
    const data = {fname : "", lastName : ""};
    const [inputData, setInputData] = useState(data);

    const handleData= (e) => {
        setInputData({...inputData, [e.target.name]:e.target.value})
    }

    const handleSubmit = (e) => {
        e.preventDefault();
        axios.post("https://jsonplaceholder.typicode.com/users", inputData)
        .then((response) => {
            console.log(response)
        })
    }

        <button onClick={handleSubmit}>Submit</button>
```

First Name david

Last Name beckham

Submit

```
{data: {…}, status: 201, status1
  ▶ config: {transitional: {…}, ad
  ▼ data:
      fname: "david"
      id: 11
      lastName: "beckham"
```

Name	S...	T...	Initi...	S...	T...	Waterfall	▲
{} users	2...	xhr	xhr.j...	8...	3...		