

props object is used for transfer data from parent to child component

Props vs state

props	state
props are used to transfer data from parent to child	It is used to store data within component
props are read only	Value of state can be changes within component by using this.setState() method
props are used for parent to child and child to parent communication	state is used for components data, for internal usage

To transfer data from parent to child

<code><NameList arr={searcharr} val="23"></NameList></code>	Naamelist is a component which will receive props object from parent. and props object has arr and val, to access searcharr stored in parent component, we can use props.arr in NameList component and props.val in NameList component
<code>{props.arr.map(ob=>ob)}</code>	convert every value from the array into li tag or tr tag, the use map function
<p>To use textbox in a form Name: <code><input type="text" name="add" id="nm" value={name} onChange={changenname}></input></code></p> <p>//to assign the value from the textbox to name state variable <code>const changenname=(event)=>{ setname(event.target.value) }</code></p>	when we will change the value of text box, onchange event will occur and the changenname function will be called, it will assign the new value to the variable name

child to parent communication

```
NameForm
<button type="button" name="btn" id="add" value="add" onClick={addname}>Add Name</butt

const addname={()=>{
  props.insertName(name)
}

NameList.js
<NameForm insertName={addnewname} removeName={removetheName}></NameForm>
const addNewName=(name)=>{
  props.insertData(name)
}

App.js
<NameList arr={searcharr} insertdata={adddata} removedata={deletedata}></NameList>

const adddata=(name)=>{
  console.log("in adddata in app.js",name);
  setnamearr([...namearr,name])
}
```

