Scrimba.com
↳ video + editor

→ Component ⎫
→ props ⎬
→ State ⎭

Task! webpage → React → Components

→ red
→ blue
→ green
→ yellow
→ magenta

App
color
App.js

#518cef
#3b10c4
#9aede6
#8ee763
#a30dd0
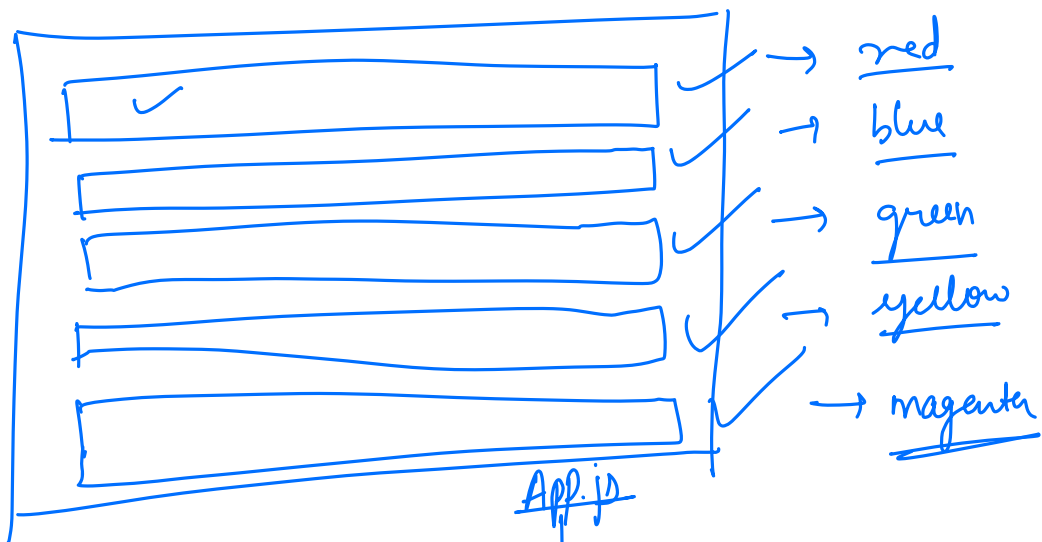
I hope everyone is doing it?

Color is changing

box

```jsx
import "./styles.css";

export default function App() {
  return (
    <div className="App">
      <Box />
    </div>
  );
}

function Box(){
  let boxStyle = {
    height:"30px",
    width:"100%",
    backgroundColor:"red"
  }
  return (
    <div style={boxStyle}>I m Box</div>
  )
}
```
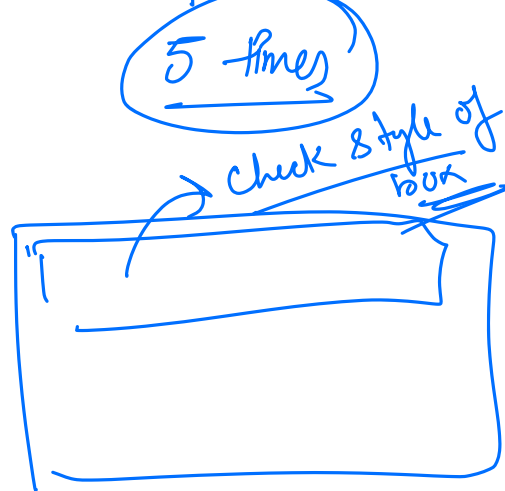
Render

5 times

check style of box


```jsx
import "./styles.css";

export default function App() {
  let colors = ["#cdb4db","#ffc8dd","#ffafcc","#bde0fe","#a2d2ff"]


  return (
    <div className="App">

    </div>
  );
}

function Box(props){
  console.log(props.bgcolor)
  let boxStyle = {
    height:"30px",
    width:"100%",
    backgroundColor:props.bgcolor
  }
  return (
    <div style={boxStyle}></div>
  )
}
```
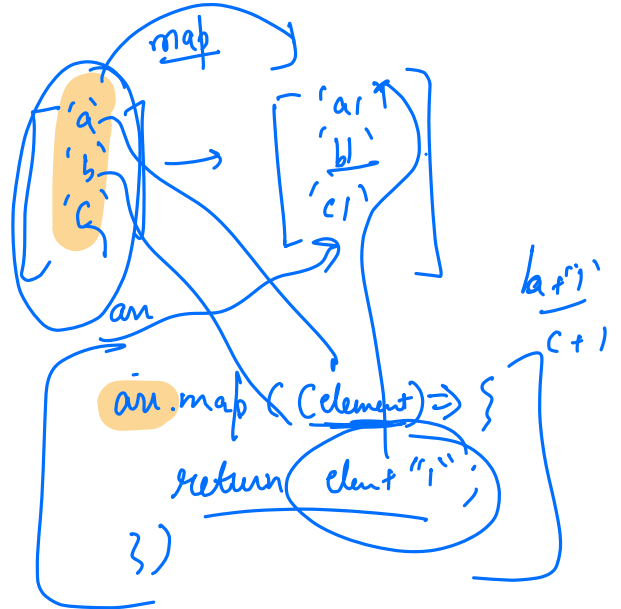
multiple colors

Box

relevel.com is sharing

```jsx
import "./styles.css";

export default function App() {
  let colors = ["#cdb4db", "#ffc8dd", "#ffafcc", "#bde0fe", "#a2d2ff","#f08080"];
  let boxes = colors.map((color)=>{
    return (<Box bgcolor={color}/>)
  })

  return <div className="App">
    {boxes}
  </div>;
}

function Box(props) {
  console.log(props.bgcolor);
  let boxStyle = {
    height: "30px",
    width: "100%",
    backgroundColor: props.bgcolor
  };
  return <div style={boxStyle}></div>;
}
```
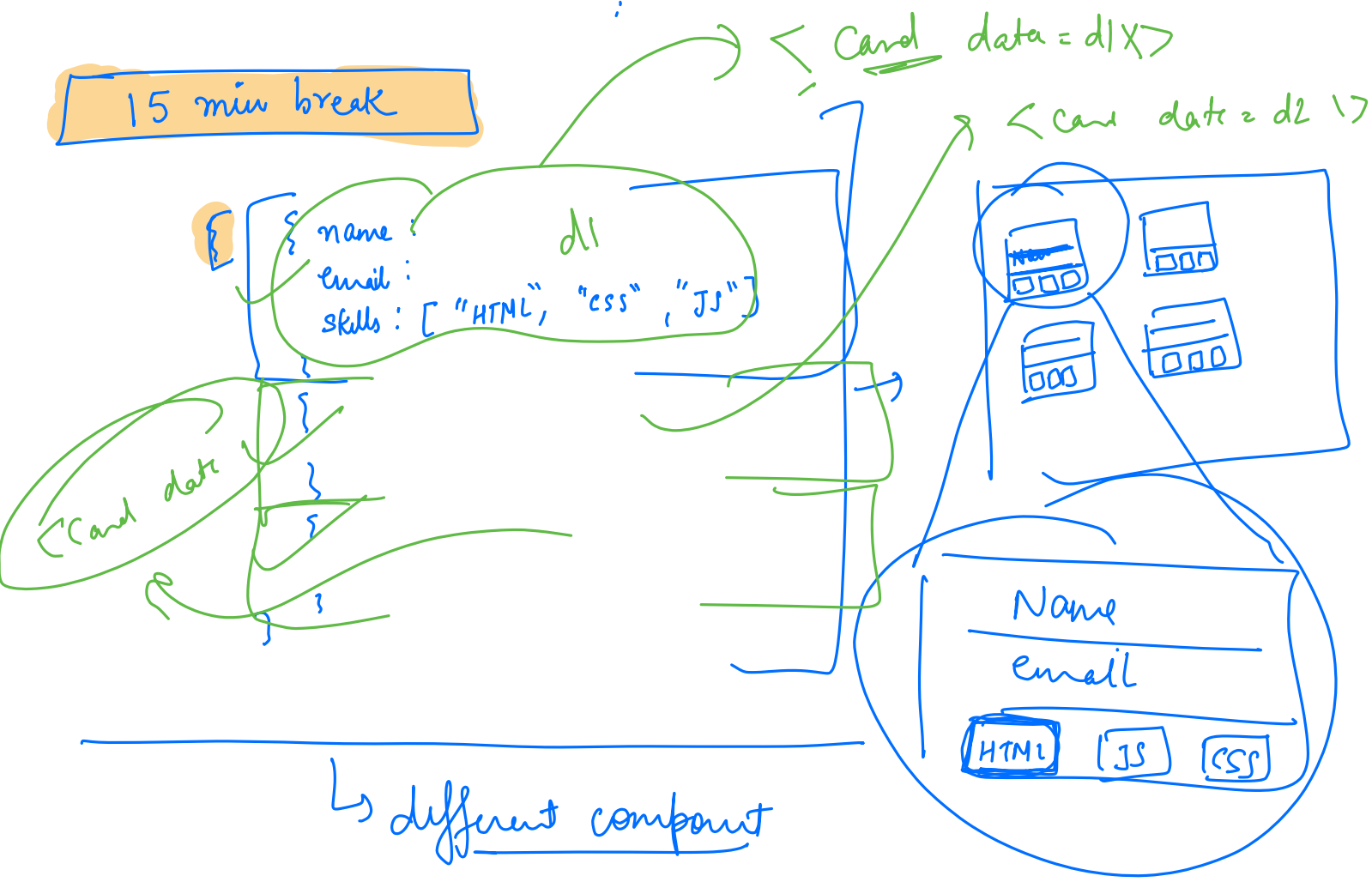
colors = [" " ...]

map

```
[ <Box   Co =C1 />
  <Box    C = C2 />
  <Box    C = C3 />
  <Box    C = C4 />
      :
      :
```

'a'
'b'
'c'

arr

```
['a',
 'b',
 'c']
```

[a+i]
(c+i)

arr.map ((element) => {

return (elemt "i")

})

[C1 , C2 , C3] → < box /C1 >
  colors.map ((c1))
  ⇒ {

< box   C2 />
< box   C3 />
< box   C4 />
    :

15 min break

< Card data = d1 />
< card data = d2 />

{ name :   d1
  email :
  skills : ["HTML", "CSS" , "JS"]

"Card data"
{
{
{
}

Name
email
HTML   JS   CSS

↳ different component

App. js > Card > Skills
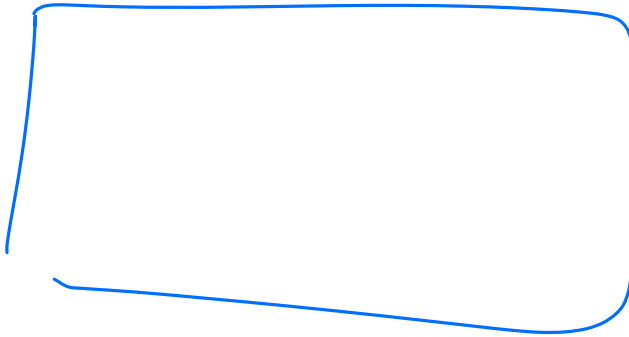
```
2  import "./styles.css";
3
4  export default function App() {
5    let data = [                           d1
6      {
7        name: "Bittoo",
8        email: "bittoo@gmail.com",
9        skills: ["Html", "css", "js"]
10     },
11     {
12       name: "Sudheer",
13       email: "Sudheer@gmail.com",
14       skills: ["Html", "css", "js"]
15     },
16     {
17       name: "Manoj",
18       email: "Manoj@gmail.com",
19       skills: ["Html", "css", "js"]
20     },
21     {
22       name: "Aishwary",
23       email: "Aishwary@gmail.com",
24       skills: ["Html", "css", "js"]
25     }
26   ];
27
28   let cards = data.map((item) => {
29     return <Card data={item} />;
30   });
31
32   return <div className="App">{cards}</div>;
33 }
```

< Card data = d1 />

< Card & data = d2 />

< Ca   d3 >

< Card   d4 >

{ < Card   />,
  < Ca   />,
  < a   />

Try ? ~~ everyone trying → 5 min   ],

HTML   CSS   JS

```
1   function Card(props) {
2     let divStyle = {
3       border: "1px solid black",
4       margin: "10px",
5       width: "30%"
6     };
7
8     let skills = props.data.skills.map((element)=>{
9       return <Skill skill={element} />
10    })
11
12    return (
13      <div style={divStyle}>
14        <h3>{props.data.name}</h3>
15        <h4>{props.data.email}</h4>
16        <div>
17          {skills}
18        </div>
19      </div>
20    );
21  }
22
23  function Skill(props){
24
25    let style={
26      backgroundColor : "lightcoral",
27      padding : "5px",
28      color : "white",
29      margin : "5px"
30    }
31
32    return (<span style={style}>{props.skill}</span>)
33
34  }
35
36  export default Card;
37
38
```

~~ Style

["HTML", "CSS", "JS"]

[<Skill />, <Skill />, <Skill />]

Name
email
Skills

?