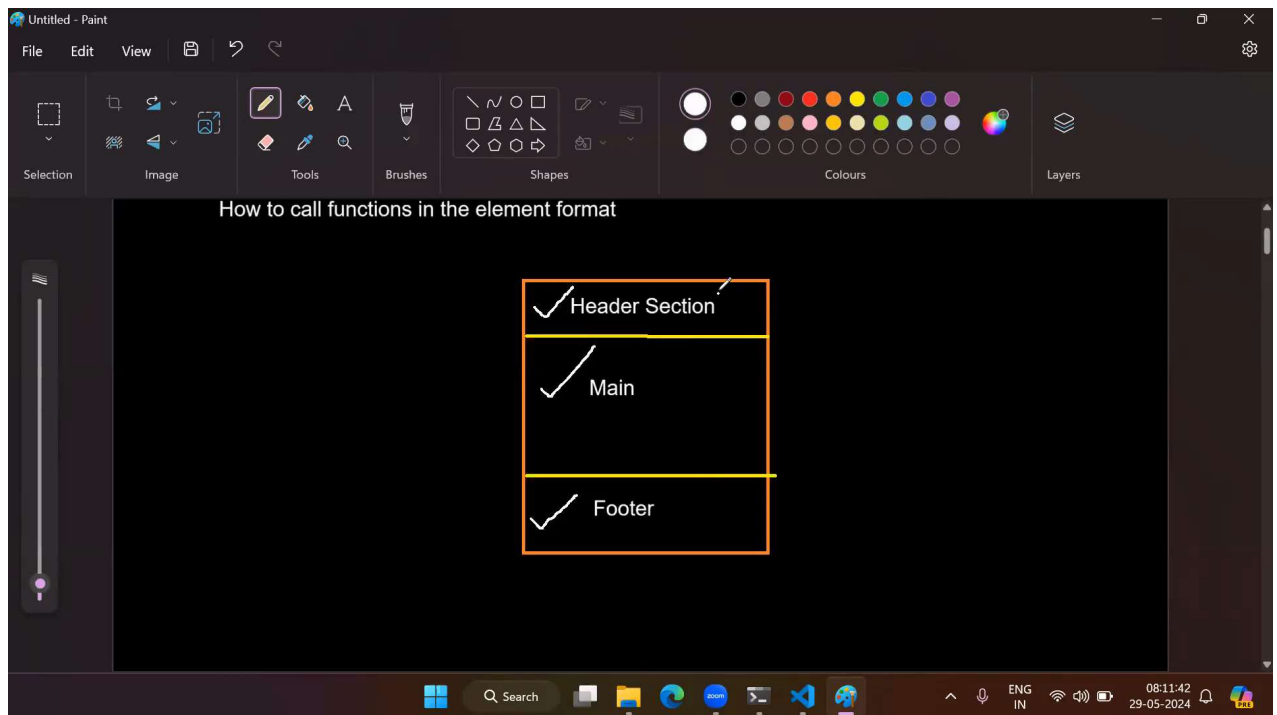


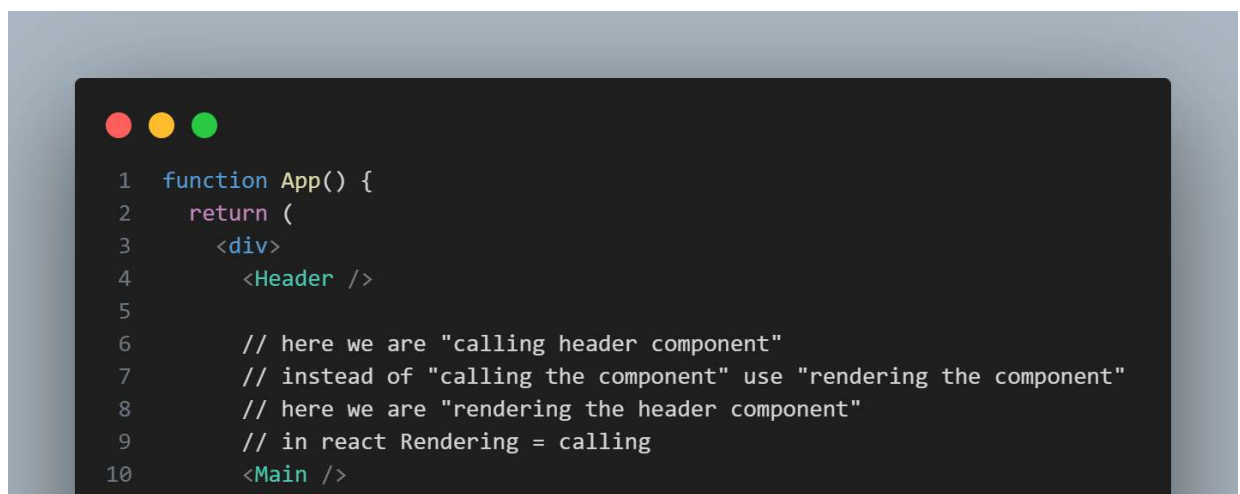
Last session

- Functional Components.
- How to call functions in the element format.

Task



Any component that you had given to ReactDOM, that component is considered as Parent component for the entire react App



```

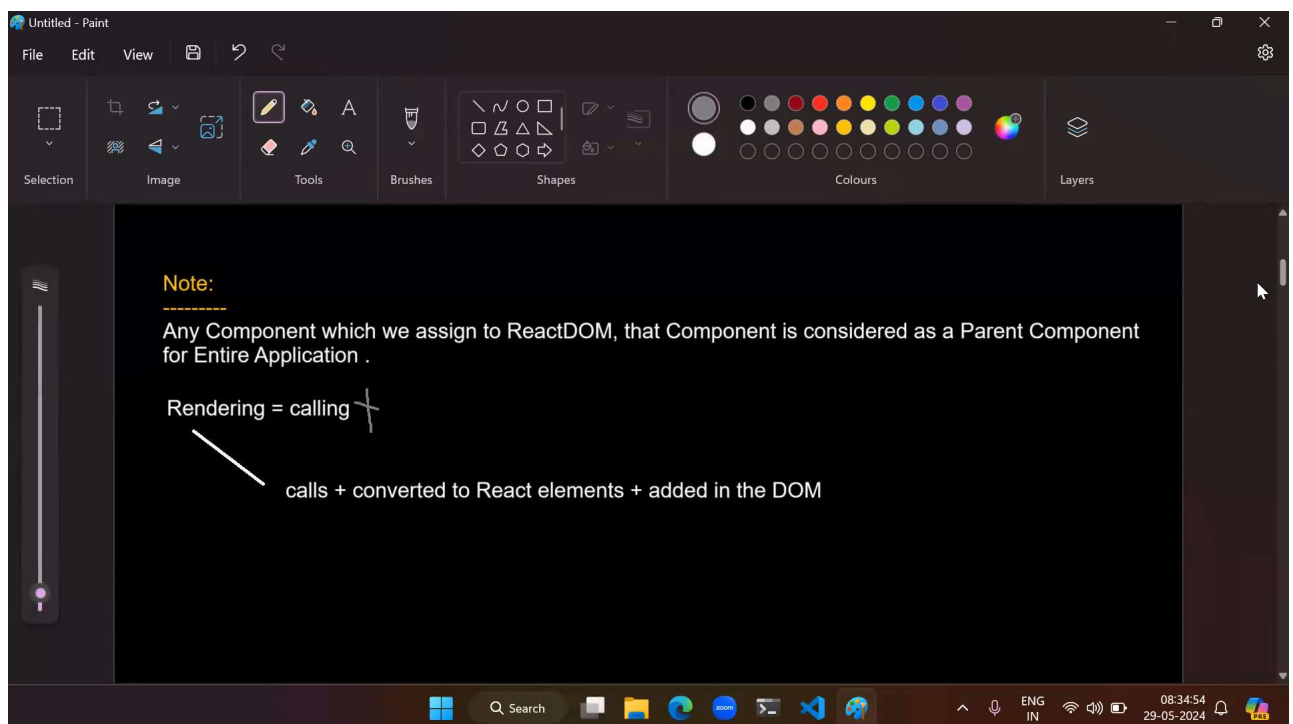
1  function App() {
2    return (
3      <div>
4        <Header />
5
6        // here we are "calling header component"
7        // instead of "calling the component" use "rendering the component"
8        // here we are "rendering the header component"
9        // in react Rendering = calling
10       <Main />
11       <Footer />
12     </div>
13   );
14 }

```

in React Rendering = calling

following things are done while Rendering

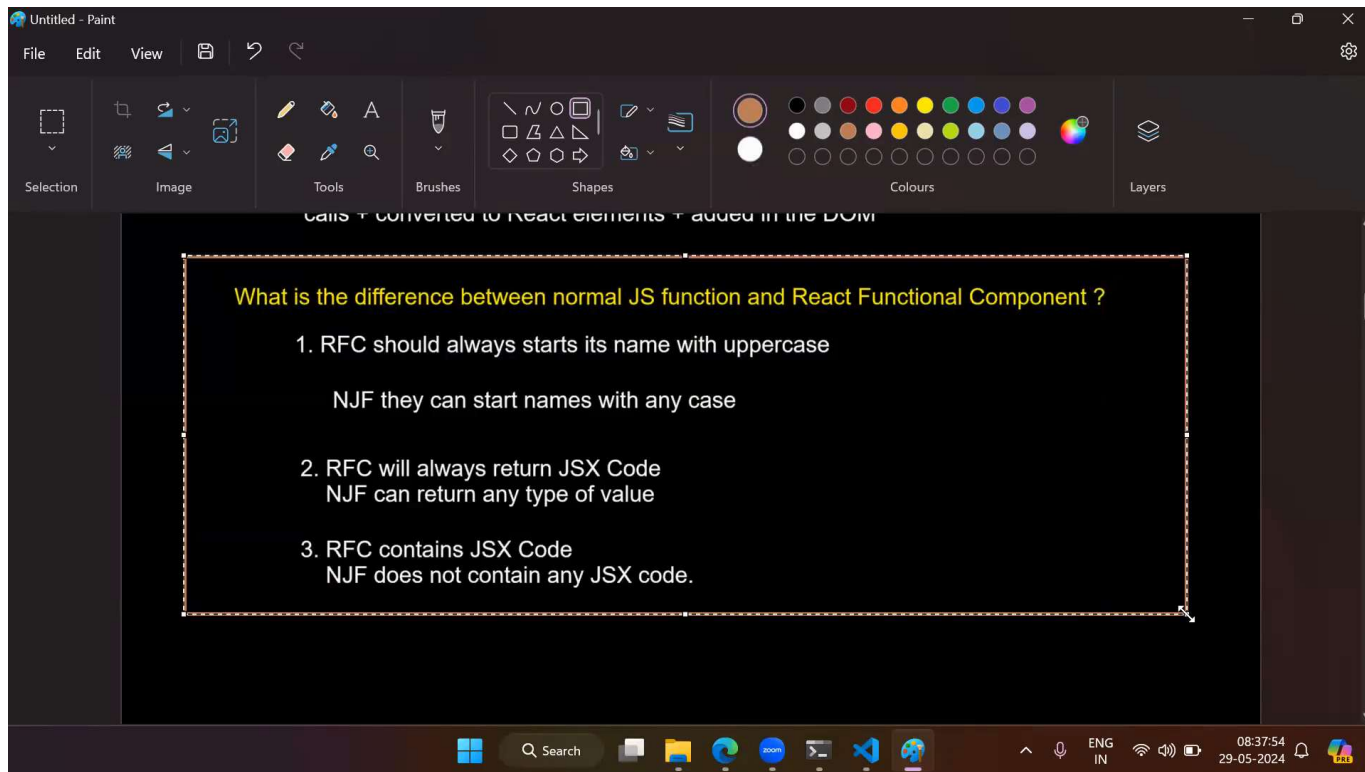
- calls the Component and,
- converts the JSX Element to React Element and,
- the React Element is added in the DOM



What is the difference between normal JavaScript and React Functional component ?

React Functional Component should always start its name with UpperCase	JavaScript Function can start names with any case (recommended to use camel case)
--	---

it always returns JSX Code	it can return any type of the value
it contains JSX Code	it doesn't contain any jsx code



=====

if we are rendering/calling the components in Element/tag format -- then how to pass values to the component

- we can pass arguments to the Components,
- Using Attribute concept we can pass arugment ot components. if it is rendered in the element or tag format

```
function Main() {
  return (
    <div class="main cardContainer">
      <CreateCard title="Raj Verma" />

      <CreateCard title="Asihwariya Sharma" />

      <CreateCard title="Rohan Jaiswal" />

      <CreateCard title="Preeti Reddy" />
    </div>
  );
}
```

in html we call this as a attribute, but in react it is called as props

from the above we can say that, CreateCard Component is taking 1 props

```
function Main() {
  return (
    <div class="main cardContainer">
      <CreateCard title="Raj Verma" imageUrl="" />
      <CreateCard title="Asihwariya Sharma" imageUrl="" />
      <CreateCard title="Rohan Jaiswal" imageUrl="" />
      <CreateCard title="Preeti Reddy" imageUrl="" />
    </div>
  );
}
```

from the above we can say that, CreateCard Component is taking 1 props

- then how to receive the props in the react ?
- all those props are received in the 1st parameter of the component
- this 1st parameter -- is always a object type
- inside this object your props will be stores.

```
<script type="text/babel">
function CreateCard(data) { // data = {title:"",imageUrl:""}
  return (
    <div class="card">
      <img src="" width="100%" height="250" />
      <h3> {} </h3>
      <p>Lorem ipsum dolor sit amet consectetur adipisicing elit.</p>
      <button>Profile Details </button>
    </div>
  );
}
```

```
<script type="text/babel">
function CreateCard(props) {
  // data = {title:"",imageUrl:""}
  return (
    <div class="card">
      <img src="" width="100%" height="250" />
      <h3> {} </h3>
      <p>Lorem ipsum dolor sit amet consectetur adipisicing elit.</p>
      <button>Profile Details </button>
    </div>
  );
}
```

```

<script type="text/babel">
  function CreateCard(props) {
    // props = {title:"",imageUrl:""}
    return (
      <div class="card">
        <img src={props.imageUrl} width="100%" height="250" />
        <h3> {props.title} </h3>
        <p>Lorem ipsum dolor sit amet consectetur adipisicing elit.</p>
        <button>Profile Details </button>
      </div>
    );
  }

```

Props

- Props are the "properties of the component"
- Props are used to pass dynamic data or input data to the components.
- Props are used to share the data from parent component to child component.

Note

functional Component 1st parameter will be always object,
this object stores props or this object contains set of props as properties.

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Session Completed