📫

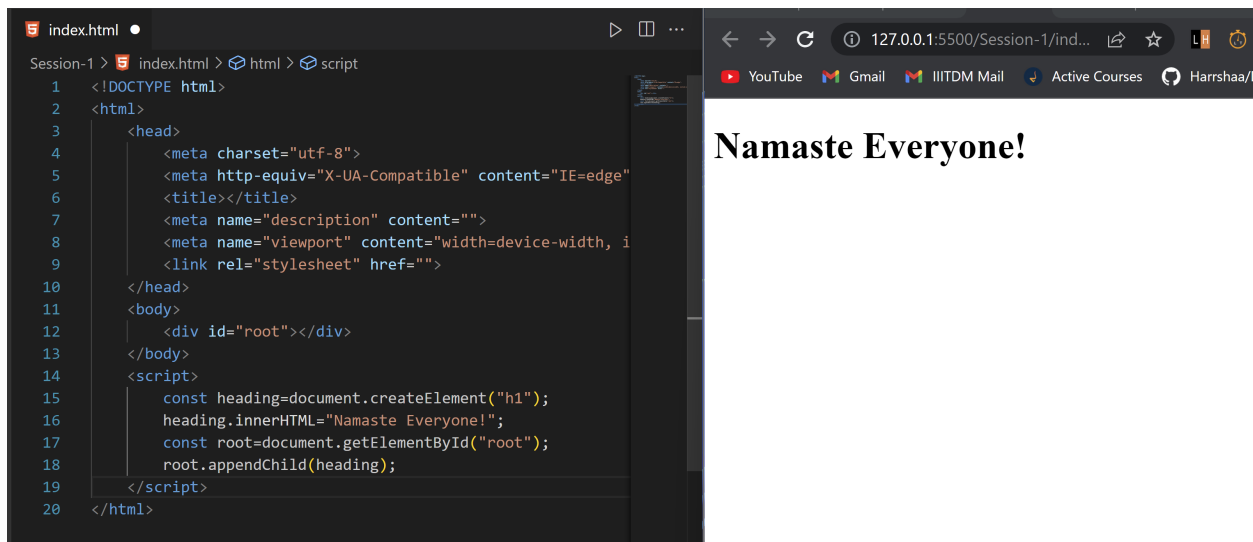# Session-1

To create any HTML element using javascript . the only way we have is DOM manipulations.

first, try to create javascript variables.

How can we do the same thing using REACT?

→ React is a Javascript Library we can inject React into our code using CDN Links

```
<script crossorigin src="https://unpkg.com/react@18/umd/react.development.js"></script><script crossorigin src="https://unpkg.com/react-dom@18/umd/react-dom.development.js"></script>

react-> core (native ,3d,...)
reactDOM ->to modify DOM Elements.
```

Now we got all the super powers of REACT.

NOW START WRITING HELLO WORLD PROGRAM USING REACT —>

```
        <meta name="description" content="">
        <meta name="viewport" content="width=device-width, initial-scale=1">
        <link rel="stylesheet" href="">
    </head>
    <body>
        <div id="root"></div>
    </body>
    <script>
        const heading=document.createElement("h1");
        heading.innerHTML="Namaste Everyone!";
        const root=document.getElementById("root");
        root.appendChild(heading);
    </script>
    <script crossorigin src="https://unpkg.com/react@18/umd/react.developmen
    <script crossorigin src="https://unpkg.com/react-dom@18/umd/react-dom.de

    <script>
        const heading1=React.createElement("h1",{},"Manchidi");
        const root1=ReactDOM.createRoot(document.getElementById("root"));
        root1.render(heading1);
    </script>
    html>
```
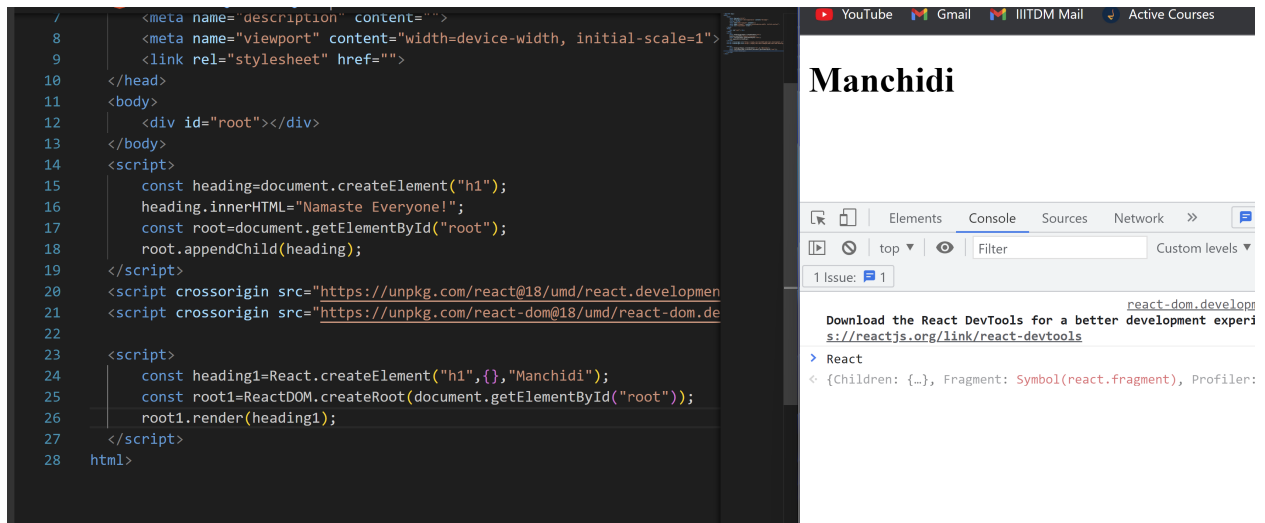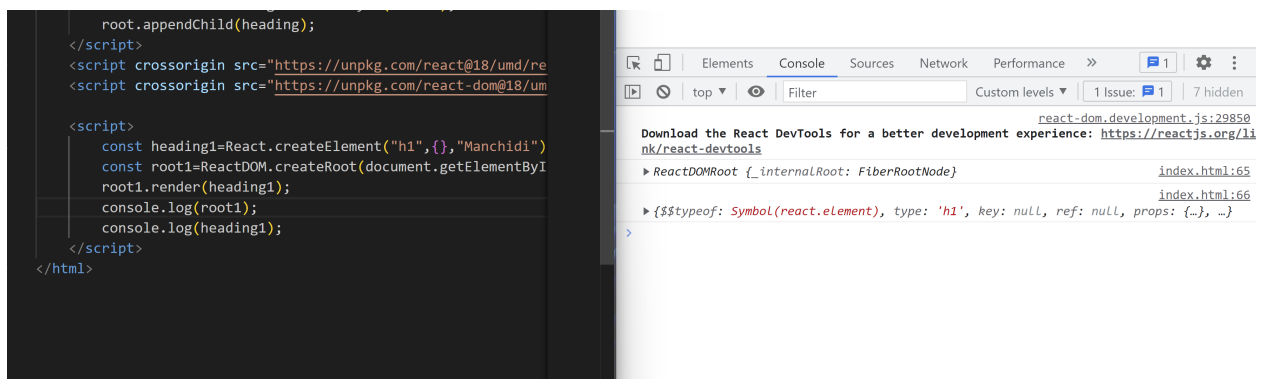
Manchidi

| Elements | Console | Sources | Network | » |

```
1 Issue:
                                          react-dom.developm
    Download the React DevTools for a better development experi
    s://reactjs.org/link/react-devtools
  > React
  < {Children: {…}, Fragment: Symbol(react.fragment), Profiler:
```

AT THE END OF THE DAY all the React Elements are Objects

```
        root.appendChild(heading);
    </script>
    <script crossorigin src="https://unpkg.com/react@18/umd/re
    <script crossorigin src="https://unpkg.com/react-dom@18/um

    <script>
        const heading1=React.createElement("h1",{},"Manchidi")
        const root1=ReactDOM.createRoot(document.getElementById
        root1.render(heading1);
        console.log(root1);
        console.log(heading1);
    </script>
</html>
```

| Elements | Console | Sources | Network | Performance | » |

```
    Download the React DevTools for a better development experience: https://reactjs.org/li
    nk/react-devtools
  ▶ ReactDOMRoot {_internalRoot: FiberRootNode}                    index.html:65
  ▶ {$$typeof: Symbol(react.element), type: 'h1', key: null, ref: null, props: {…}, …}
                                                                    index.html:66
```

React overrides everything inside of it.