# INFOLABZ IT SERVICES PVT. LTD.

CUSTOM COMPONENTS :

app.js file

```js
import logo from './logo.svg';
import './App.css';
import First, { Second,Third } from './customcomps';

function App(){
  return(
    <div>
      <h1>CONCEPT OF CUSTOM COMPONENT</h1>
      <Second />
    </div>
  );
}

function New(){
  return(
    <>
      <p>This is new component</p>
      <Third />
    </>
  );
}

export default App;
export {New};
```

customcomps.js

src > JS customcomps.js > ⬡ Third

```js
1   export default function First(){
2       return(
3           <>
4               <h2>This is first component</h2>
5           </>
6       );
7   }
8
9   function Second(){
10      return(
11          <>
12              <h3>This is Second custom component</h3>
13          </>
14      );
15  }
16
17  function Third(){
18      return(
19          <>
20              <h3>This is third custom component</h3>
21          </>
22      );
23  }
24
```

```jsx
function Fourth(){
    return(
        <>
            <h3>This is Fourth component</h3>
        </>
    );
}

function Fifth(){
    return(
        <>
            <Fourth />
            <h3>This is Fifth component</h3>

        </>
    );
}

function Logout(){
    return(
        <>
            <button>LOGOUT</button>
        </>
    );
}

export {Second,Third,Fifth,Logout};
```

index.js

```
JS App.js  ●    JS customcomps.js    JS index.js  ×

src > JS index.js > ...
  1    import React from 'react';
  2    import ReactDOM from 'react-dom/client';
  3    import './index.css';
  4    import App,{New} from './App';
  5    import First, { Fifth, Logout } from './customcomps';
  6    import reportWebVitals from './reportWebVitals';
  7
  8    const root = ReactDOM.createRoot(document.getElementById('root'));
  9    root.render(
 10      <React.StrictMode>
 11        <App />
 12        <New />
 13        <First />
 14        <Fifth />
 15        <Logout />
 16      </React.StrictMode>
 17    );
 18
 19    // If you want to start measuring performance in your app, pass a function
 20    // to log results (for example: reportWebVitals(console.log))
 21    // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
 22    reportWebVitals();
```

ADDING CSS TO COMPONENTS :

INLINE CASS

```
JS App.js    ✕    # style.css        JS index.js

src > JS App.js > ...
   1    import logo from './logo.svg';
   2    import './App.css';
   3    import './style.css';
   4
   5    function App() {
   6      return (
   7        <div className="App">
   8          <h1>Applying CSS to react components</h1>
   9        </div>
  10      );
  11    }
  12
  13    function First(){
  14      return(
  15        <>
  16          <h1 style={{color:"red"}}>This is heading tag</h1>
  17          <b style={{color:"blue",fontSize:25}}>This is bold tag with css</b>
  18        </>
  19      );
  20    }
```

DOCUMENT LEVEL CSS

```
21
22   const mystyle = {
23     color :"red",
24     fontSize : 20,
25     fontFamily : "Arial",
26   }
27
28   function Second(){
29     return(
30       <><br/>
31         <i style={mystyle}>This is italic tag</i>
32         <h3 style={mystyle}>This is heading tag 3 </h3>
33       </>
34     );
35   }
36
```

EXTERNAL CSS

CREATE style.css IN app.js folder

```
JS App.js        # style.css    ×    JS index.js

src > # style.css > h5
1   h5{
2       color: orange;
3       font-size: 50px;
4       font-family: sans-serif;
5   }
```

```
36
37   function Third(){
38     return(
39       <>
40         <h5> This is heading tag 5 </h5>
41       </>
42     );
43   }
44
45   export default App;
46   export {First,Second,Third};
```

# TASKS

### 1) Dynamic API

API : http://universities.hipolabs.com/search?country={country_name}

FOR EXAMPLE : http://universities.hipolabs.com/search?country=india

Create a simple text form (html) which accepts country name from user. Pass country name in above API and print all universities in below format.

SR NO | UNIVERSITY NAME | STATE-PROVINCE | WEBSITE LINK
1        Ashoka University         Haryana                    Visit Site

( on click of visit site, website should be open in new tab )

### 2) Custom Components

| Create New react project : comppractice | |
|---|---|
| **App.js** | App (DE), Msg(XE),New(XE), Practice(E) [Msg, New] |
| **custom.js** | Mycom(DE), Compone(E) [Second],  Comptwo(XE), Add(E) [Comptwo,First, Notification, App] |
| **extra.js** | First(DE), Second(E),  Third(E) [Comptow,Second,Login] |
| **practice.js** | Notification (DE) , Login (XE), Logout(E) [Login] |
| DE:  export default , E : Export, XE : Not Export | |

### 3) Add CSS as per your requirement in above components. ( CSS practice )