

INFOLABZ IT SERVICES PVT. LTD.

JS FORM TO VARIABLE :

```
App.js  JS myfile.js  JS index.js  <> formtovariable.html  <> index.html
: > interact > <> formtovariable.html > body > script > check
1  <!DOCTYPE html>
2  <head>
3
4  </head>
5  <body>
6      <script>
7          function check(form){
8              var name = form.uname.value;
9              var surname = form.usurname.value;
10             document.getElementById("msg").innerHTML = "<table border='1'><tr><th>Field</th><th>Data</th></tr><tr><td>Name</td><td>"
11             +name+"</td></tr><tr><td>Surname</td><td>"+surname+"</td></tr></table>";
12         }
13     </script>
14     <form>
15         Name : <input type="text" placeholder="Enter name" name="uname" > <br>
16         Surname : <input type="text" placeholder="Enter Surname" name="usurname"><br>
17         <input type="submit" onclick="check(this.form); return false;" >
18     </form>
19
20     <p id="msg"></p>
21 </body>
22 </html>
```

REACT :

Create a new react project : functionalcomponent

Steps :

npm init react-app functionalcomponent

cd functionalcomponent

npm start

App.js file :

```
JS App.js  ●  JS myfile.js  ●  JS index.js  <> index.html

src > JS App.js > ...
  1  import logo from './logo.svg';
  2  import './App.css';
  3
  4  function App() {
  5    return (
  6      <>
  7      | <h1>Hello infolabz</h1>
  8      </>
  9    );
 10  }
 11
 12  function Firstcomp(){
 13    return(
 14      <>
 15      | <h1>This is first component</h1>
 16      </>
 17    );
 18  }
 19
 20  function Secondcomp(){
 21    return(
 22      <>
 23      | <h1>This is second component</h1>
 24      | <Firstcomp />
 25      </>
 26    );
 27  }
 28
```

```

JS App.js • JS myfile.js • JS index.js <> index.html
src > JS App.js > ...
20 function Secondcomp(){
21     <h1>This is second component</h1>
22     <Firstcomp />
23 }
24
25
26
27
28
29
30 function Thirdcomp(){
31     return(
32         <>
33         <h1>This is third component</h1>
34         </>
35     )
36 }
37
38 function Fourthcomponent(){
39     return(
40         <>
41         <h1>This is fourth component</h1>
42         <Thirdcomp />
43         </>
44     );
45 }
46
47 export default App;
48 export {Firstcomp,Secondcomp,Fourthcomponent};
49

```

index.js File :

```

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

```

TASKS

TASK 1 : API ACCESS (PRINT DATA)

API : <http://universities.hipolabs.com/search?country=india>

Print universities from above API in below table format. (You can added css/bootstrap as per your requirement)

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)

TASK 2 : API SEARCH OPERATION

API : <https://isro.vercel.app/api/spacecrafts>

Allow user to insert name of spacecraft in textbox. Print Spacecraft found or not.

TASK 3 : React component practice task.

Create New react project : componentpractice	
App.js	App (DE), First (XE), Second [First, Login](E) , Third [Fourth,Logout] (E) , Fourth (XE), Buttons [Login,Logout,Addtocart] (E)
Customcomps.js	Login (DE), Logout (E), Addtocart (E), All (E) [Login, Logout, Addtocart]
DE: export default , E : Export, XE : Not Export	