

S1: Project and Files

```
C:\demo\jsmarch24\L11>npx create-react-app p3_lang_app
C:\demo\jsmarch24\L11>cd p3_lang_app
C:\demo\jsmarch24\L11\p3_lang_app>npm install firebase
C:\demo\jsmarch24\L11\p3_lang_app>cd src
C:\demo\jsmarch24\L11\p3_lang_app\src>notepad Languages.js
C:\demo\jsmarch24\L11\p3_lang_app\src>notepad Firebase.js
C:\demo\jsmarch24\L11\p3_lang_app\src>cd...
C:\demo\jsmarch24\L11\p3_lang_app\src>npm start
```

S2: Coding**Languages.js**

```
import { useState, useRef } from "react";
import db from "./Firebase";
import { ref, set } from "firebase/database";

function Languages()
{
    const rName = useRef();
    const [name, setName] = useState("");
    const [python, setPython] = useState(false);
    const [java, setJava] = useState(false);
    const [js, setJs] = useState(false);

    const hName = (event) => { setName(event.target.value); }
    const hPython = (event) => { setPython(! python); }
    const hJava = (event) => { setJava(! java); }
    const hJs = (event) => { setJs(! js); }

    const save = (event) => {
        event.preventDefault();
        let languages = "";
        if (python) languages = languages + " Python ";
        if (java) languages = languages + " Java ";
        if (js) languages = languages + " JS ";
        let data = { name, languages };
        let node = name + "-->" + new Date().toString();
        let r = ref(db, "student/" + node);
        set(r, data);
        alert("Thank u");
        setName("");
        setPython(false);
        setJava(false);
        setJs(false);
        rName.current.focus();
    }
}
```



```

    return(
      <>
      <center>
        <h1> Languages You Know </h1>
        <form onSubmit={ save }>
          <input type="name" placeholder="enter ur name"
            onChange={ hName} value={name} ref={rName}/>
          <br/><br/>
          <input type="checkbox" onChange={hPython} checked={python} /> Python
          <input type="checkbox" onChange={hJava} checked={java}/> Java
          <input type="checkbox" onChange={hJs} checked={js} /> Js
          <br/><br/>
          <input type="submit" />
        </form>
      </center>
    </>
  );
}
export default Languages;

```

Firestore.js

```

import { initializeApp } from "firebase/app";
import { getDatabase } from "firebase/database";

const firebaseConfig = {
  apiKey: "AlzaSyALrOQb3eipJUeKzUWseBR_6f5Bf4FF8_E",
  authDomain: "languageskamal27march24.firebaseio.com",
  databaseURL: "https://languageskamal27march24.firebaseio.com",
  projectId: "languageskamal27march24",
  storageBucket: "languageskamal27march24.appspot.com",
  messagingSenderId: "33618173639",
  appId: "1:33618173639:web:5e13569b50857a7ccfe8e2"
};

const app = initializeApp(firebaseConfig);
const db = getDatabase(app);
export default db;

```

App.js

```

import logo from './logo.svg';
import './App.css';
import Languages from './Languages';

function App() {
  return (
    <Languages/>
  );
}

export default App;

```


App.js

```
import logo from './logo.svg';  
import './App.css';  
import Feedback from './Feedback';
```

```
function App() {  
  return (  
    <Feedback/>  
  );  
}
```

```
export default App;
```

App.css

```
* { font-size: 3vw; font-family: Century;}  
body { background-color: lightyellow; }  
h1 { background-color: black; color: white; width:50%; border-radius:40px; }
```