

**S1: Project and File:**

```
C:\demo\jsmarch24\L13>npx create-react-app p2_otp_app
C:\demo\jsmarch24\L13>cd p2_otp_app
C:\demo\jsmarch24\L13\p2_otp_app>npm install firebase
C:\demo\jsmarch24\L13\p2_otp_app>cd src
C:\demo\jsmarch24\L13\p2_otp_app\src>notepad Enquiry.js
C:\demo\jsmarch24\L13\p2_otp_app\src>cd..
C:\demo\jsmarch24\L13\p2_otp_app>npm start
```

**S2: Coding:****Enquiry.js**

```
import { useState } from "react";
import { initializeApp } from "firebase/app";
import firebase from "firebase/compat/app";
import { getDatabase } from "firebase/database";
import { set, ref } from "firebase/database";
import 'firebase/compat/auth';

const firebaseConfig = {
  apiKey: "AlzaSyBZsXt1wrdbxwMmFTSHhOspJ-czqrW_QIU",
  authDomain: "reactotp2april24kamal.firebaseio.com",
  databaseURL: "https://reactotp2april24kamal-default-rtdb.firebaseio.com",
  projectId: "reactotp2april24kamal",
  storageBucket: "reactotp2april24kamal.appspot.com",
  messagingSenderId: "176595306102",
  appId: "1:176595306102:web:6d6bbac0518dd044928157"
};

const app = firebase.initializeApp(firebaseConfig);
const db = getDatabase(app);

function Enquiry()
{
  const [name, setName] = useState("");
  const [query, setQuery] = useState("");
  const [phone, setPhone] = useState("");
  const [otp, setOtp] = useState("");
  const [ans, setAns] = useState("");
  const [final, setFinal] = useState("");

  const hName = (event) => { setName(event.target.value); }
  const hQuery = (event) => { setQuery(event.target.value); }
  const hPhone = (event) => { setPhone(event.target.value); }
  const hOtp = (event) => { setOtp(event.target.value); }
```



```

const configureCaptcha = () =>{
  window.recaptchaVerifier = new firebase.auth.RecaptchaVerifier('sign-in-button', {
    'size': 'invisible',
    'callback': (response) => {
      sendOtp();
      console.log("Recaptca varified")
    },
    defaultCountry: "IN"
  });
}

```

```

const sendOtp = (event) => {
  event.preventDefault();
  configureCaptcha();
  let pn = "+91" + phone;
  let av = window.recaptchaVerifier;
  firebase.auth().signInWithPhoneNumber(pn, av)
    .then( res => {
      setFinal(res);
      console.log(res);
      console.log("OTP sent");
      alert("OTP Sent");
    })
    .catch(err => {
      console.log(err);
    })
}

```

```

const submitOtp = (event) => {
  event.preventDefault();
  final.confirm(otp)
    .then( res => {
      const d = new Date().toString();
      const n = name + "--> " + d;
      const data = { name, phone, query, d }
      set(ref(db, "visitors/"+n), data)
      .then( res => {
        console.log(res);
        alert("We will call u in 2 hrs");
        setAns("we will get back to u");
        window.location.reload()
      })
      .catch(err => console.log(err))
    })
    .catch(err => {
      console.log(err);
      alert("invalid OTP");
      setAns("invalid OTP");
      window.location.reload()
    })
}

```



```

return(
  <>
  <center>
  <h1> Fill the Form </h1>
  <form onSubmit={sendOtp}>
    <div id="sign-in-button"> </div>
    <input type="text" placeholder="enter ur name"
    onChange={hName} value={name} />
    <br/><br/>
    <textarea placeholder="enter ur query" row={4} cols={30}
    onChange={hQuery} value={query}></textarea>
    <br/><br/>
    <input type="number" placeholder="enter ur phone"
    onChange={hPhone} value={phone}/>
    <br/><br/>
    <input type="submit" value="Generate OTP"/>
    <br/><br/>
  </form>
  <form onSubmit={submitOtp}>
    <input type="number" placeholder="enter OTP"
    onChange={hOtp} value={otp}/>
    <br/><br/>
    <input type="submit" value="Submit OTP"/>
    <br/><br/>
  </form>
  <h2> { ans } </h2>
  </center>
</>
);
}
export default Enquiry;

```

### App.js

```

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

function App() {
  return (
    <Enquiry/>
  );
}
export default App;

```

### App.css

```

* { font-size: 2vw; }
body { background-color: azure; }
textarea { resize: none; }

```