

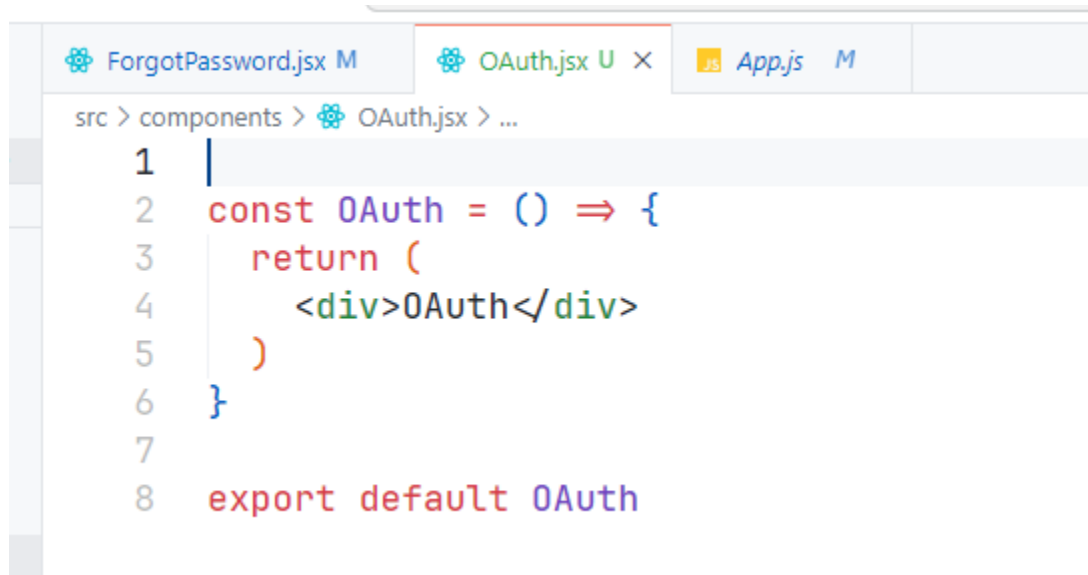
## 10.Google OAuth

Ab ham google se sign in krne ki function den gy !

Dono pages pe sign in or sign up pe !

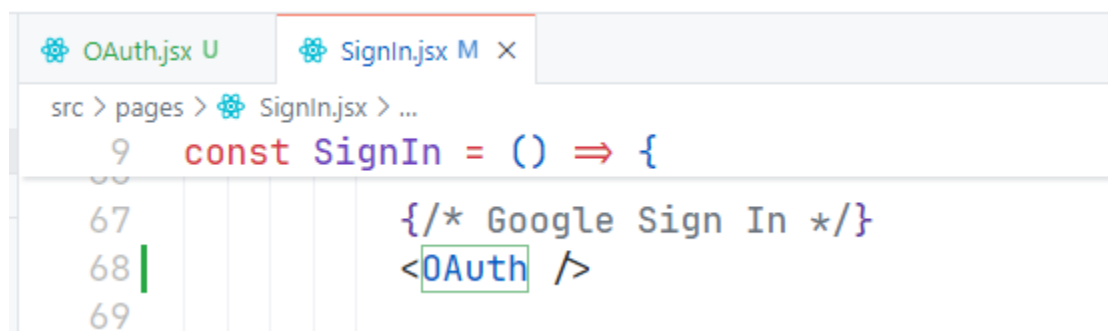
Or phr user ko firestore me bhi add krne gy !

So create a OAuth compt :



```
src > components > OAuth.jsx > ...
1  |
2  const OAuth = () => {
3    return (
4      <div>OAuth</div>
5    )
6  }
7
8  export default OAuth
```

And put in sign in and sign up page!



```
src > pages > SignIn.jsx > ...
9  const SignIn = () => {
10
67    {/* Google Sign In */}
68    <OAuth />
69  }
```

Notes about below code:

Google se sign in k liye 3 cheez chaye firebase se:

```
import { getAuth, signInWithPopup, GoogleAuthProvider } from 'firebase/auth';
const auth=getAuth()
const provider= new GoogleAuthProvider()
const result= await signInWithPopup(auth , provider)
const user= result.user
```

Try catch me ham user ko sign in / sign up krwa rahi , pehle ham check kr ahy k user already registered ha ??

Ham user le rahi google provider se or usko pass kr rhi hen useRef me user.uid to check if its already there !

```
OAuth.jsx U x
src > components > OAuth.jsx > OAuth > onGoogleClick
1  import { useLocation, useNavigate } from 'react-router-dom';
2  import { getAuth, signInWithPopup, GoogleAuthProvider } from 'firebase/auth';
3  import { doc, setDoc, getDoc, serverTimestamp } from 'firebase/firestore';
4  import { db } from '../firebase.config';
5  import { toast } from 'react-toastify';
6  import googleIcon from '../assets/svg/googleIcon.svg';

8  const OAuth = () => {
9    const navigate = useNavigate();
10   const location = useLocation();

12   const onGoogleClick = async () => {
13     try {
14       const auth = getAuth();
15       const provider = new GoogleAuthProvider();
16       const result = await signInWithPopup(auth, provider);
17       const user = result.user;

19       //reference of doc to check if user already there
20       const docRef = doc(db, 'users', user.uid);
21       const docSnap = await getDoc(docRef);

23       //if user is not there create user
24       if (!docSnap.exists()) {
25         await setDoc(doc(db, 'users', user.uid), {
26           name: user.displayName,
27           email: user.email,
28           timestamp: serverTimestamp(),
29         });
30       }
31       navigate('/');

       navigate( / ),
     } catch (error) {
       toast.error('something went wrong ');
     }
   };
};
```

```
37   return (  
38     <div className='socialLogin'>  
39       <p>Sign {location.pathname === '/sign-up' ? 'up' : 'in'} with </p>  
40       <button className='socialIconDiv' onClick={onGoogleClick}>  
41         <img className='socialIconImg' src={googleIcon} alt='Google' />  
42       </button>  
43     </div>  
44   );  
45 };  
46  
47 export default OAuth;
```

\*\*\*\*\*

Ham ne user google se lia ha uske bad usko use kia ha !