6.User Logout

We can check if user is logged in or not :

```jsx
import { useState, useEffect } from 'react';
import { getAuth } from 'firebase/auth';

const Profile = () => {
  const [user, setUser] = useState(null);
  const auth = getAuth();
  useEffect(()=>{
    setUser(auth.currentUser)
  },[])


  return user ? <h1>{user.displayName}</h1> : 'Not Logged In';
};

export default Profile;
```

Now we will work on logout , and will work on profile page content !

Make sure u r logged in !

Is waqt app ka ye behaviour hoga k agar ham log in krke page ko reload kren gy to user name display nahi hoga q k compt re render hoga or is se pehle k firebase se user aaye compt load ho chuka hoga !

Iska solution ye hoga k ham ek private route compt banayen gy jo k ham profile k sath use kren gy wo ye check krega k user log in ha k nahi , agar nahi ha to wo sign in page pe redirect krde ga !

Profile.jsx:

```jsx
import { useState } from 'react';
import { useNavigate, Link } from 'react-router-dom';
import { getAuth } from 'firebase/auth';

const Profile = () => {
  const auth = getAuth();
  const [formData, setFormData] = useState({
    name: auth.currentUser.displayName,
    email: auth.currentUser.email,
  });
  const { name, email } = formData;
  const navigate = useNavigate();
  const onLogout = () => {
    auth.signOut();
    navigate('/');
  };

  return (
    <div className='profile'>
      <header className='profileHeader'>
        <p className='pageHeader'>My Profile</p>
        <button type='button' className='logOut' onClick={onLogout}>
          Logout
        </button>
      </header>
    </div>
  );
};

export default Profile;
```

Agar user sign in ha to auth me current user milay ga usme name or email milay ga jo ham usko page pe show krwa rahy hen

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