

1. Firebase is a Backend-as-a-Service provides two things
 - a. A container for Google Cloud Platform resources
 - b. A collection of SDKs to interact with these resources from the web, phone, Unity, and more.
2. Sample Code
 - a. <https://firebase.google.com/docs/samples/>
 - b. <file:///home/newuser/Downloads/full-stack-firebase-notes-combined.pdf>
 - c. <https://github.com/how-to-firebase/full-stack-firebase/tree/master/notes>
3. Create js firebase project :
 - a. <https://firebase.google.com/docs/web/module-bundling?authuser=0>
 - b. <https://firebase.google.com/docs/web/setup>
 - c. https://firebase.google.com/docs/web/setup?sdk_version=v9&authuser=0

Create a project in firebase website	
Create local project (firebase_01)	mkdir src dist; touch ./dist/index.html ./src/index.js
Create package.json	npm init -y
Install webpack	npm i webpack webpack-cli -D
configure webpack.config.js	touch webpack.config.js
Add script entry in package.json	"scripts":{ "build":"webpack --mode=development"}
Run the webpack cmd	npm run build (check bundle.js in dist dir)
Include bundle.js inside index.html	<script src="bundle.js"> </script>
Install firebase module	npm install firebase
Initialize firebase in index.js	import {initializeApp} from "firebase/app"; const app = initializeApp(conf_obj);
Run the index,html in liveserver	

4. Google OAuth

<pre>const provider = new firebase.auth.GoogleAuthProvider(); const result = async firebase.auth().signInWithPopup(provider) console.log(result.user);</pre>	
--	--

5. Hosting a project :

- <https://firebase.google.com/docs/cli?authuser=0#mac-linux-standalone-binary>
- <https://firebase.google.com/docs/hosting/?authuser=0>
- <https://firebase.google.com/docs/hosting/quickstart?authuser=0>
- <https://firebase.google.com/docs/hosting/test-preview-deploy?authuser=0>
- <https://firebase.google.com/docs/cli?authuser=0#install-cli-mac-linux>

Create a project in firebase	
Install firebase command line tools	npm install firebase-tools
Initialize your project	firebase init hosting
Add firebase login to your project	firebase login
Run your app	firebase serve
Deploy the project	firebase deploy

6. End