Step 1: Set Up Firebase CLI
1. Install Node.js and npm:
- Download and install Node.js from nodejs.org. npm (Node Package Manager) comes with Node.js.
- Verify the installation:
\$ node -v
\$ npm -v
2. Install Firebase CLI:
- Open a terminal or command prompt and run:
\$ npm install -g firebase-tools
- Verify the installation:
\$ firebaseversion
Step 2: Create a Firebase Project
1. Log in to Firebase:
- Run the following command and log in with your Google account:
\$ firebase login
2. Create a Firebase Project:
- Go to the Firebase Console.

- Click on Add Project.
- Follow the prompts to create your project. You can disable Google Analytics if you don't need it.
Step 3: Prepare Your JavaScript Application
Create or Navigate to Your Project Directory:
- If you have an existing project, navigate to its directory:
\$ cd /path/to/your/project
- If you don't have a project yet, create one:
\$ mkdir my-js-app
\$ cd my-js-app
2. Ensure Your Project Structure is Correct:
- Your project directory should contain an index.html file, along with your JavaScript, CSS, and other assets.
Step 4: Initialize Firebase in Your Project
1. Initialize Firebase:
- Inside your project directory, run:
\$ firebase init
- Select the following options during initialization:
- Hosting: Set up Firebase Hosting in your project.
- Use existing project: Select the project you created on Firebase.
- Public directory: Set it to the directory where your index.html is located (e.g., public or leave it as the root with a .).

- Single-page app: If your app is an SPA (Single Page Application), choose Yes.
- Overwrite index.html: Choose No.
Step 5: Deploy Your Application
1. Deploy to Firebase:
- Run the following command to deploy your application:
\$ firebase deploy
- After deployment, Firebase will provide you with a hosting URL where your application is live.
- After deployment, Firebase will provide you with a hosting ORL where your application is live.
Step 6: Access and Share Your Application
1. Visit the URL:
- After deployment, you'll see a URL in the terminal that looks something like https://your-app-name.web.app.
- You can visit this URL in a browser to see your hosted application.
2. Manage Your Hosting:
- You can manage your hosted application through the Firebase Console, where you can view usage statistics,
configure settings, and more.
configure settings, and more.
Optional: Custom Domain
1. Add a Custom Domain (Optional):

- Follow the prompts to verify ownership and point your domain to Firebase Hosting.
Step 7: Update Your Application
1. Make Changes and Redeploy:
- If you need to update your application, simply make changes to your files.
- Run firebase deploy again to redeploy the updated application.
Conclusion:
You've successfully hosted your JavaScript-based application on Firebase for free! You can now continue developing
and updating your app as needed.

- If you have a custom domain, you can add it through the Firebase Console under the Hosting section.