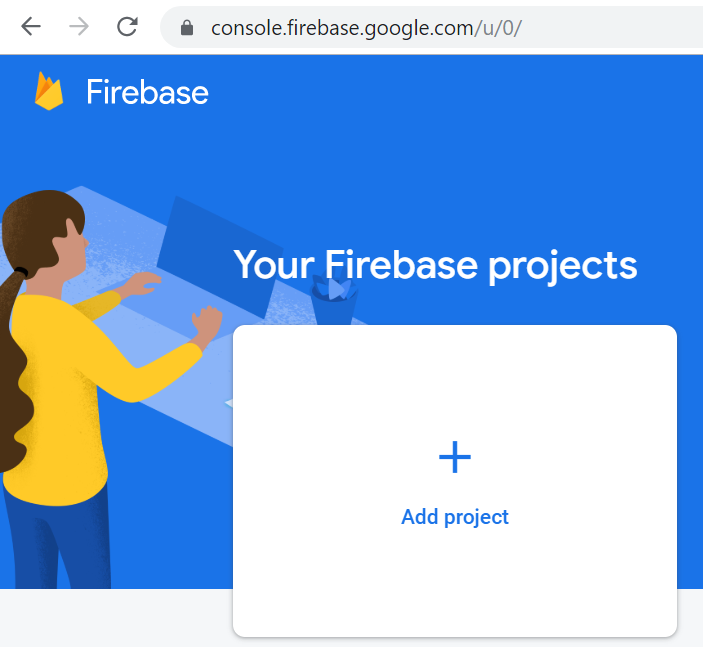
Step 1:

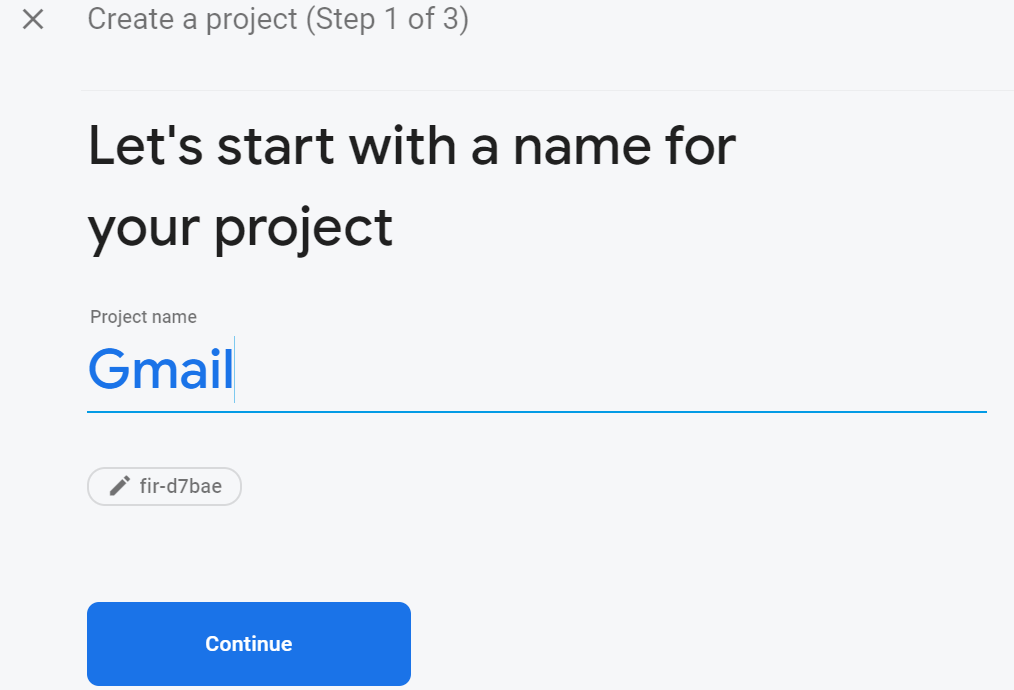
1a) Go to console.firebase.google.com by clicking the following url

Url: <https://console.firebase.google.com/u/0/>

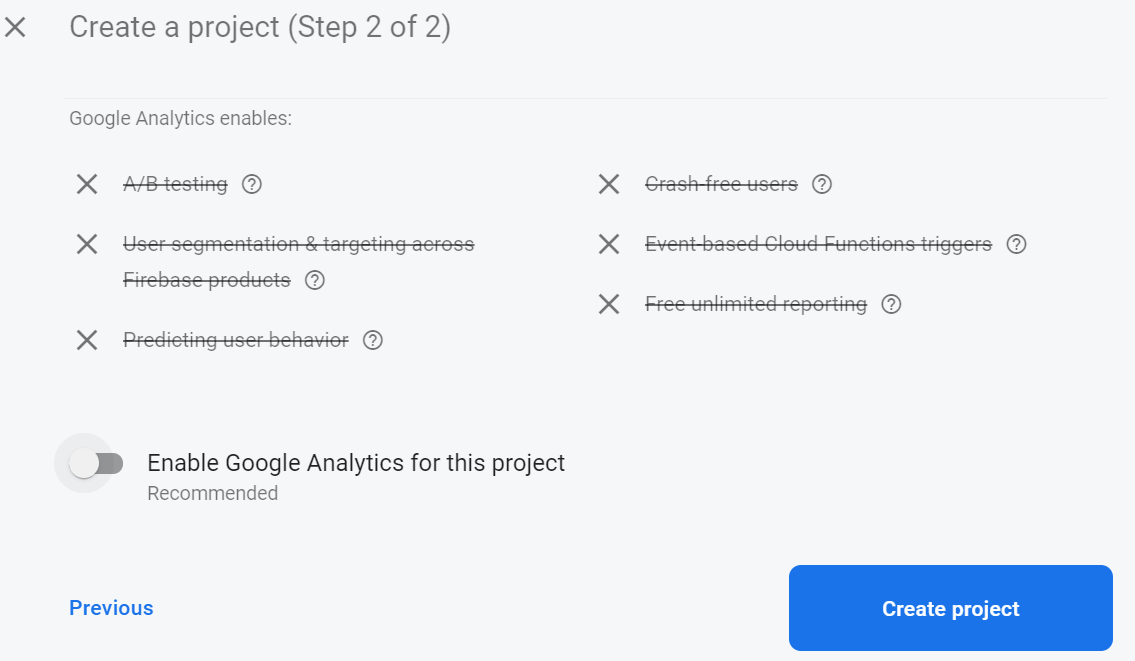
1b) Create a project by clicking on “add project”



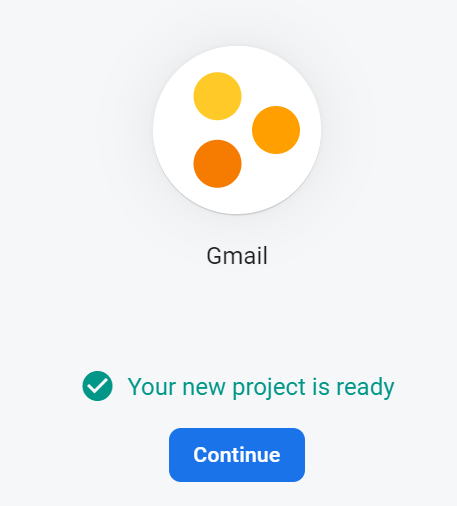
Step 2: Give a name for your project (Example: Gmail) and click on continue as shown below



Step 3: Disable Google Analytics for this project and click “Create project” as shown below

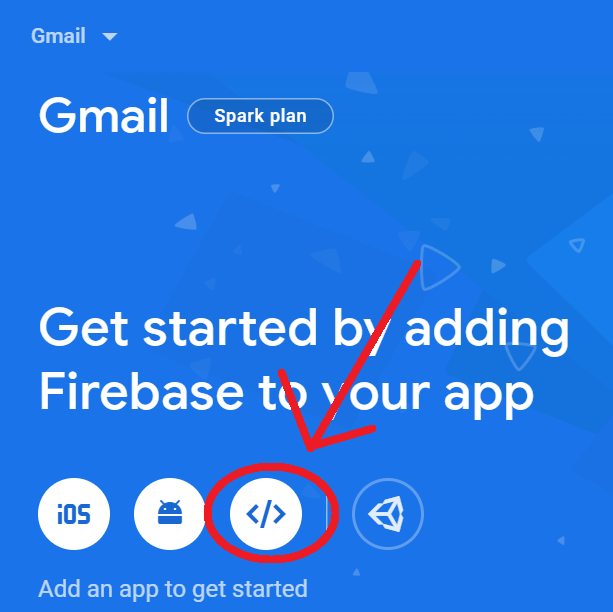


Step 4: Click continue in the below screen.

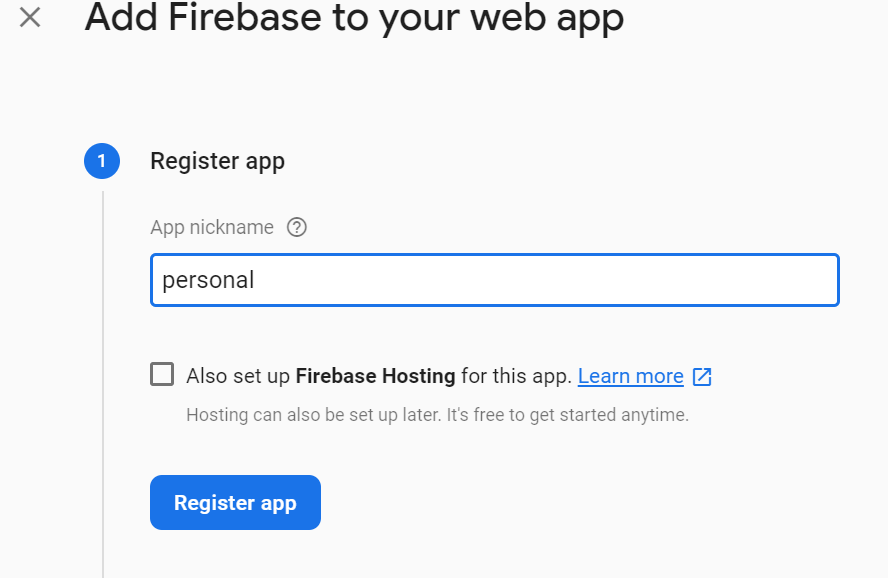


CREATING AN APPLICATION

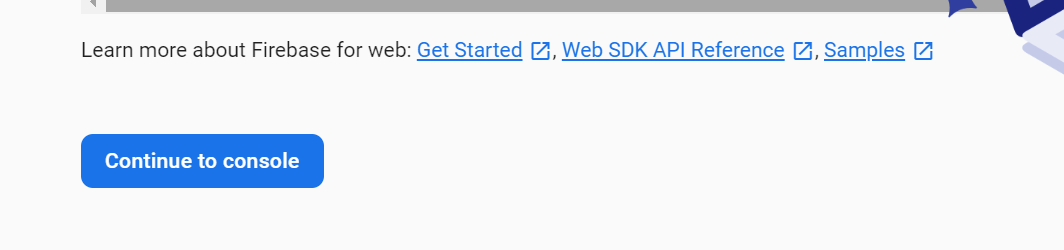
Step 5: In the screen below, click on the pointed icon, which is called as web



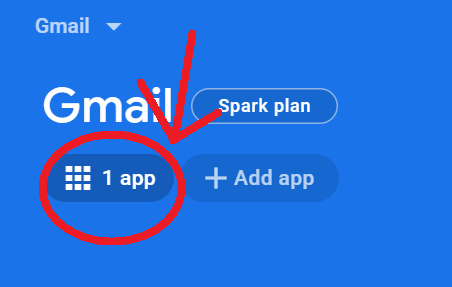
Step 6: Next give the name of your app (Example: personal) and click Register app button as shown below



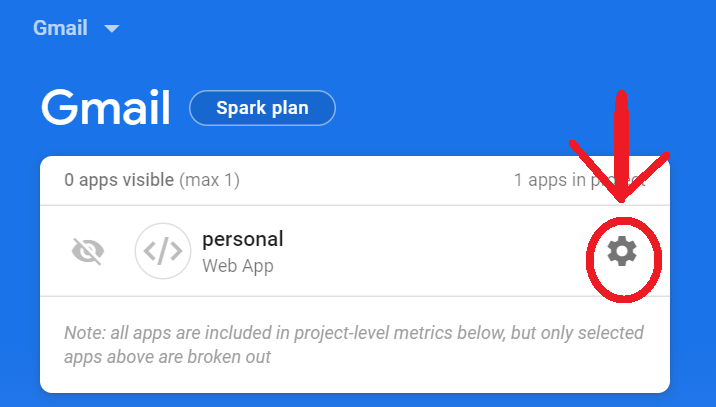
Step 7: Click on the continue to console button



Step 7: Click on 1 app as shown below

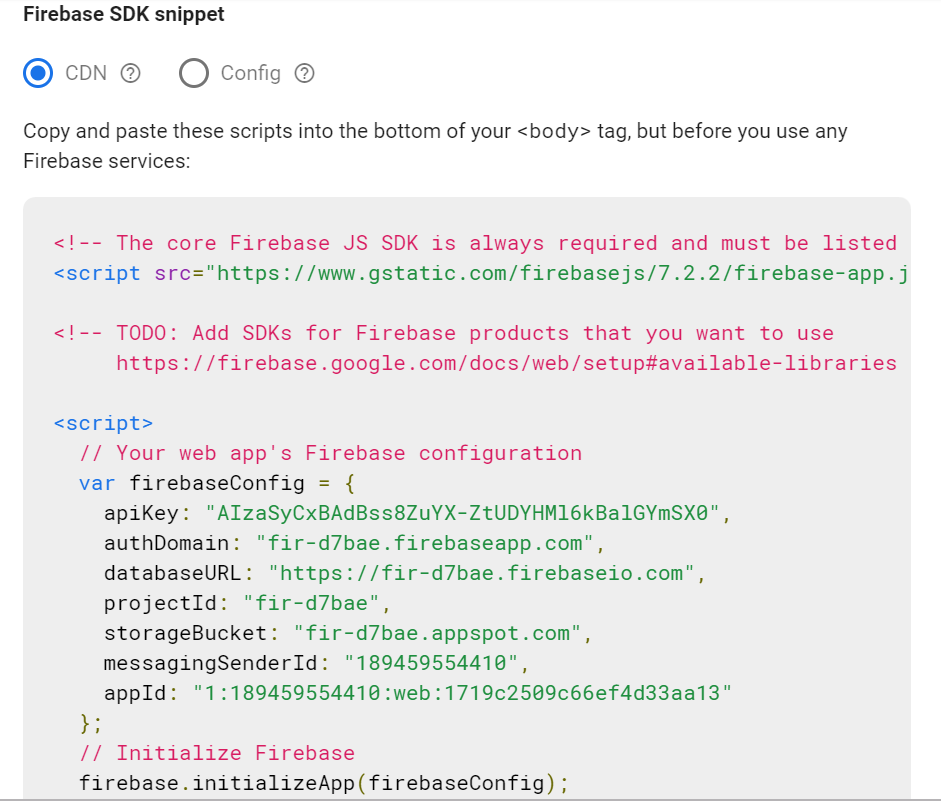


Step 8: Click on the app settings as shown below



Step 9: Scroll down to find “Firebase SDK snippet”

Step 10: Click on CDN



Step 11: Click on the below icon to copy the code



Step 12: Paste the copied code at the end of the body tag in your index.html

Step 13: Add the following two references in the index.html body tag

<script src="https://www.gstatic.com/firebasejs/6.1.1/firebase-auth.js"></script>

  <script src="https://www.gstatic.com/firebasejs/6.1.1/firebase-database.js"></script>

Example:

Your index.html code should look like this

<html>

<head>

  <title>Main Page</title>

  <link href="https://fonts.googleapis.com/css?family=Nunito:400,600,700" rel="stylesheet">

  <link rel="stylesheet" href="style.css" />

</head>

<body>

  <div id="details\_div" class="main-div" style="display:block">

    <h3>Please Enter your Details</h3>

    <input type="text" placeholder="First Name..." id="firstname" />

    <input type="text" placeholder="Last Name..." id="lastname" />

    <input type="text" placeholder="Student ID..." id="sid" />

    <input type="text" placeholder="Assignment Number..." id="asgnumber" />

<div></div>

    <button onclick="send()">Send</button><br>

  </div>

  <script src="https://www.gstatic.com/firebasejs/7.2.1/firebase-app.js"></script>

  <script src="https://www.gstatic.com/firebasejs/6.1.1/firebase-auth.js"></script>

  <script src="https://www.gstatic.com/firebasejs/6.1.1/firebase-database.js"></script>

  <script>

    // Your web app's Firebase configuration

    var firebaseConfig = {

      apiKey: "AIzaSyCxBAdBss8ZuYX-ZtUDYHMl6kBalGYmSX0",

      authDomain: "fir-d7bae.firebaseapp.com",

      databaseURL: "https://fir-d7bae.firebaseio.com",

      projectId: "fir-d7bae",

      storageBucket: "fir-d7bae.appspot.com",

      messagingSenderId: "189459554410",

      appId: "1:189459554410:web:1719c2509c66ef4d33aa13"

    };

    // Initialize Firebase

    firebase.initializeApp(firebaseConfig);

  </script>

  <script src="index.js"></script>

</body>

</html>

//In the above code apiKey, authDomain, databaseURL, projectId, storageBucket, messagingSenderId, and appId values will be different, do not worry about that.

Step 14:

Copy the below code in index.js file

const dbRef = firebase.database().ref();

const detailsRef = dbRef.child('details');

detailsRef.on("child\_added", function(snapshot, prevChildKey) {

  var newPost = snapshot.val();

});

Step 15: After the above step write a function called send in the index.js file to fetch the values entered by the user and push them into the database

function send(){

  var first = document.getElementById("firstname").value;

  var last = document.getElementById("lastname").value;

  var studentid = document.getElementById("sid").value;

  var asgntnumber = document.getElementById("asgnumber").value;

  detailsRef.push().set({

    first: first,

    last: last,

    studentid: studentid,

    asgntnumber: asgntnumber

  });

}

An Example of complete code in index.js file should look like this

const dbRef = firebase.database().ref();

const detailsRef = dbRef.child('details');

detailsRef.on("child\_added", function(snapshot, prevChildKey) {

  var newPost = snapshot.val();

});

function send(){

  var first = document.getElementById("firstname").value;

  var last = document.getElementById("lastname").value;

  var studentid = document.getElementById("sid").value;

  var asgntnumber = document.getElementById("asgnumber").value;

  detailsRef.push().set({

    first: first,

    last: last,

    studentid: studentid,

    asgntnumber: asgntnumber

  });

}

Step 16: Create a new file called index.json

Step 17: Copy the below code into the index.json file

{

  "details": [{

    "first": "Subhankar",

    "last": "Dhar",

    "studentid": "01",

    "asgntnumber": "4"

  }, {

    "first": "Hema",

    "last": "Mutyala",

    "studentid": "02",

    "asgntnumber": "4"

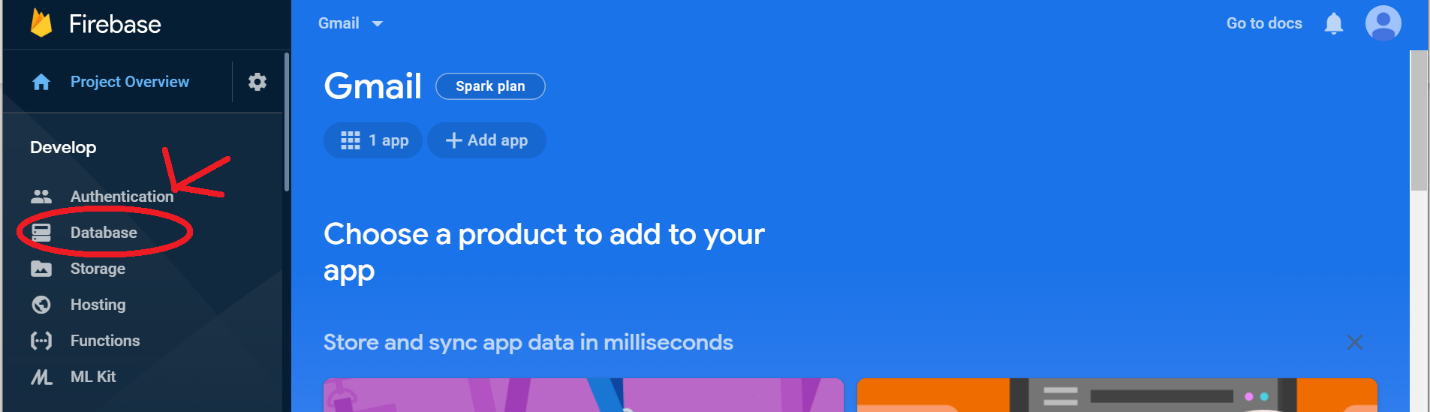
  }]

}

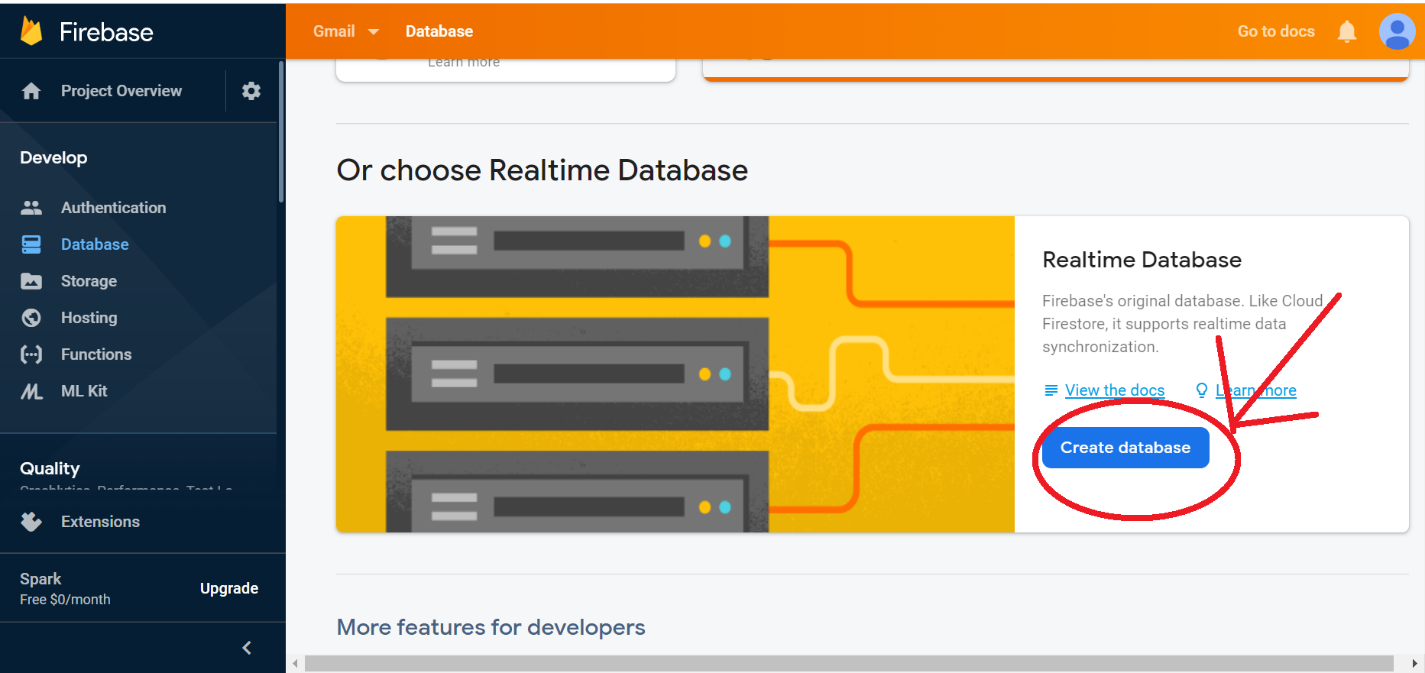
Step 17: Go to <https://console.firebase.google.com/u/0/>

Step 18: Click on your project, here it is Gmail

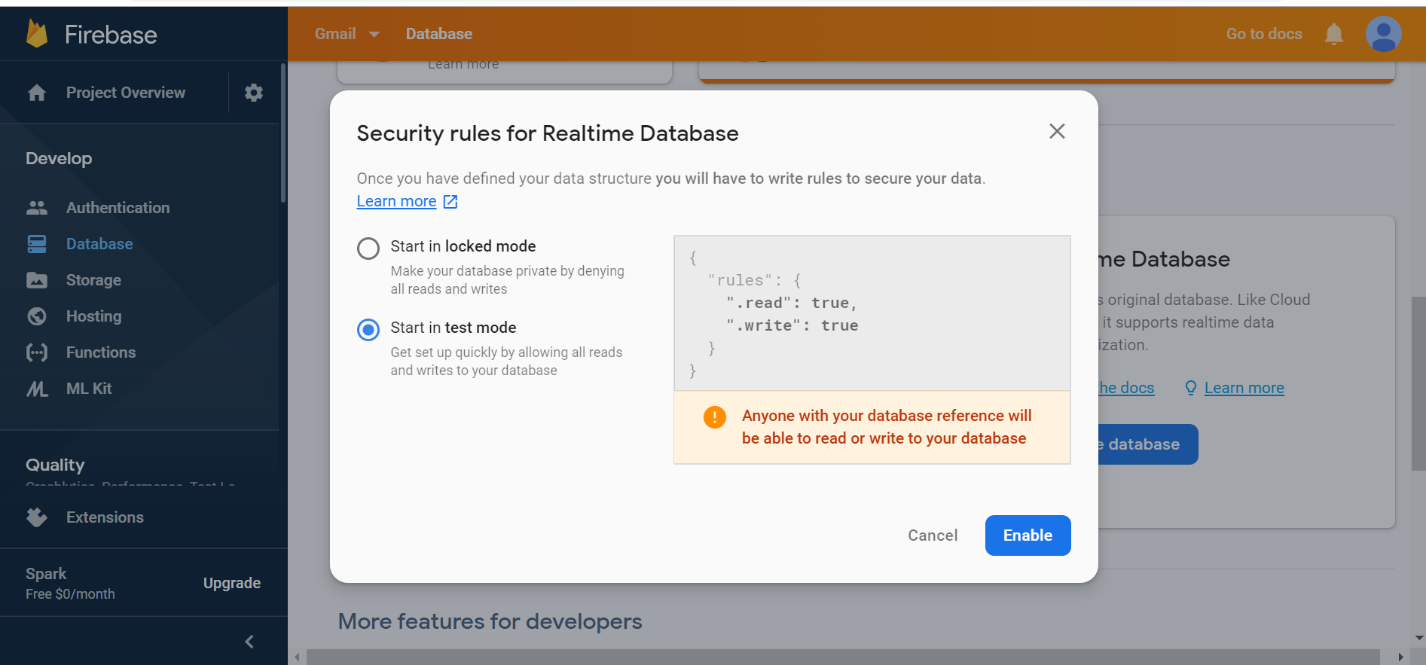
Step 19: Click on the database as shown below



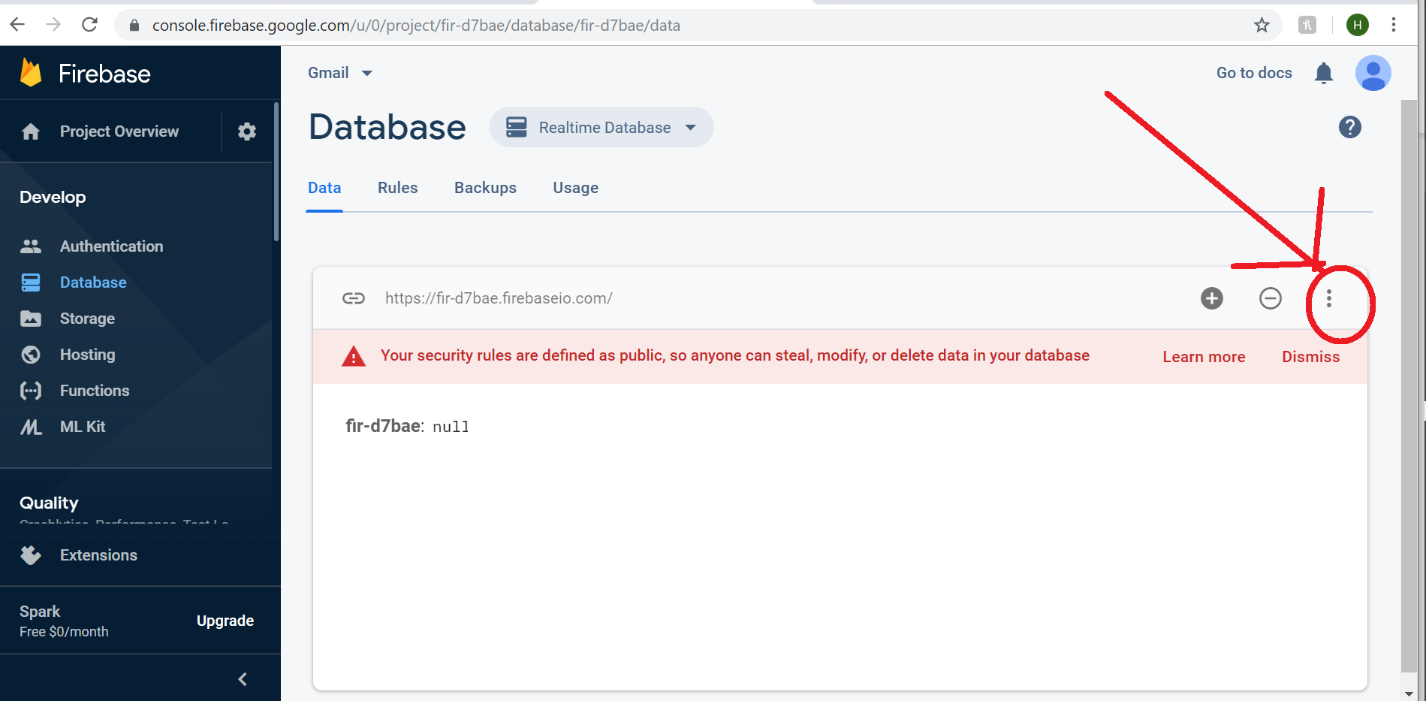
Step 20: In the database page scroll down to see the below create realtime database option



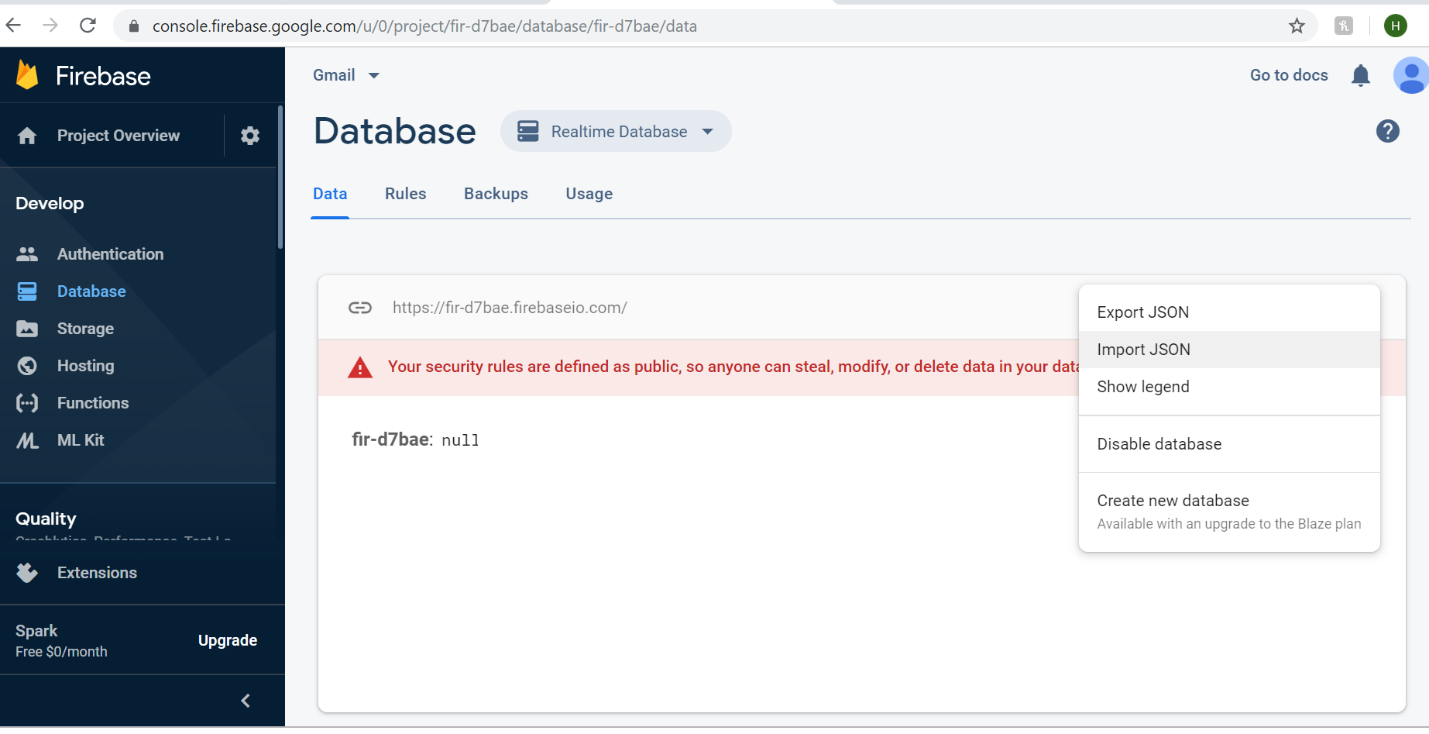
Step 21: After clicking on the create database as shown above, the below page will appear. In this page select “start in test mode” and click “Enable”.



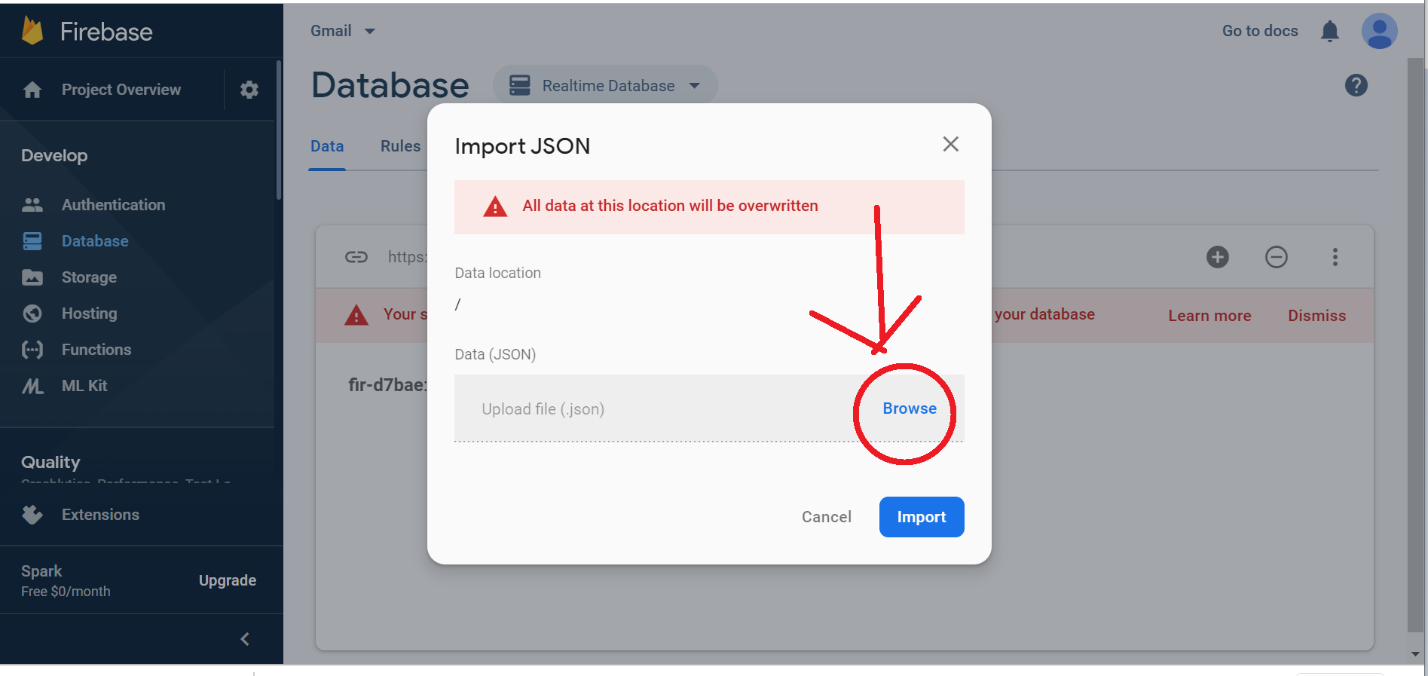
Step 22: In the next page click on 3 little dots as shown below



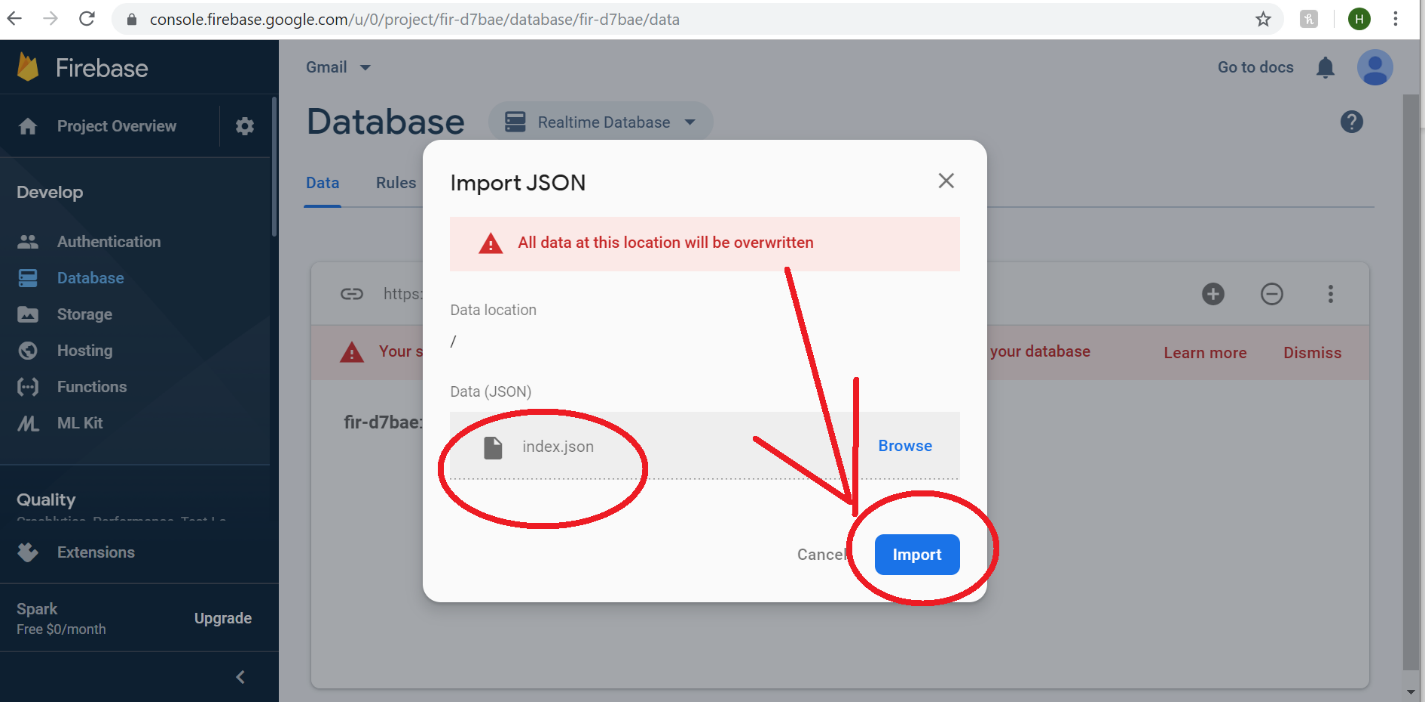
Step 23: Select import JSON , as shown below



Step 24: Click on Browse and select your index.json file

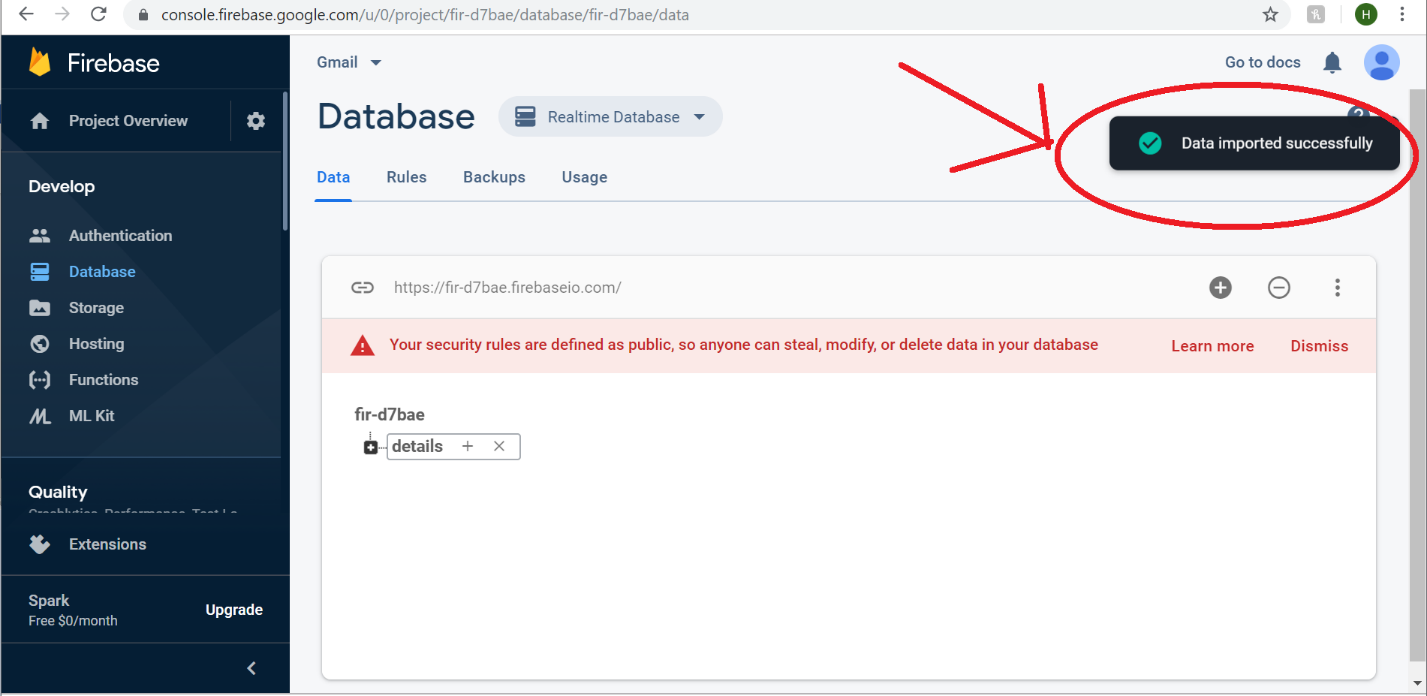


Step 25: Your index.json file should appear below



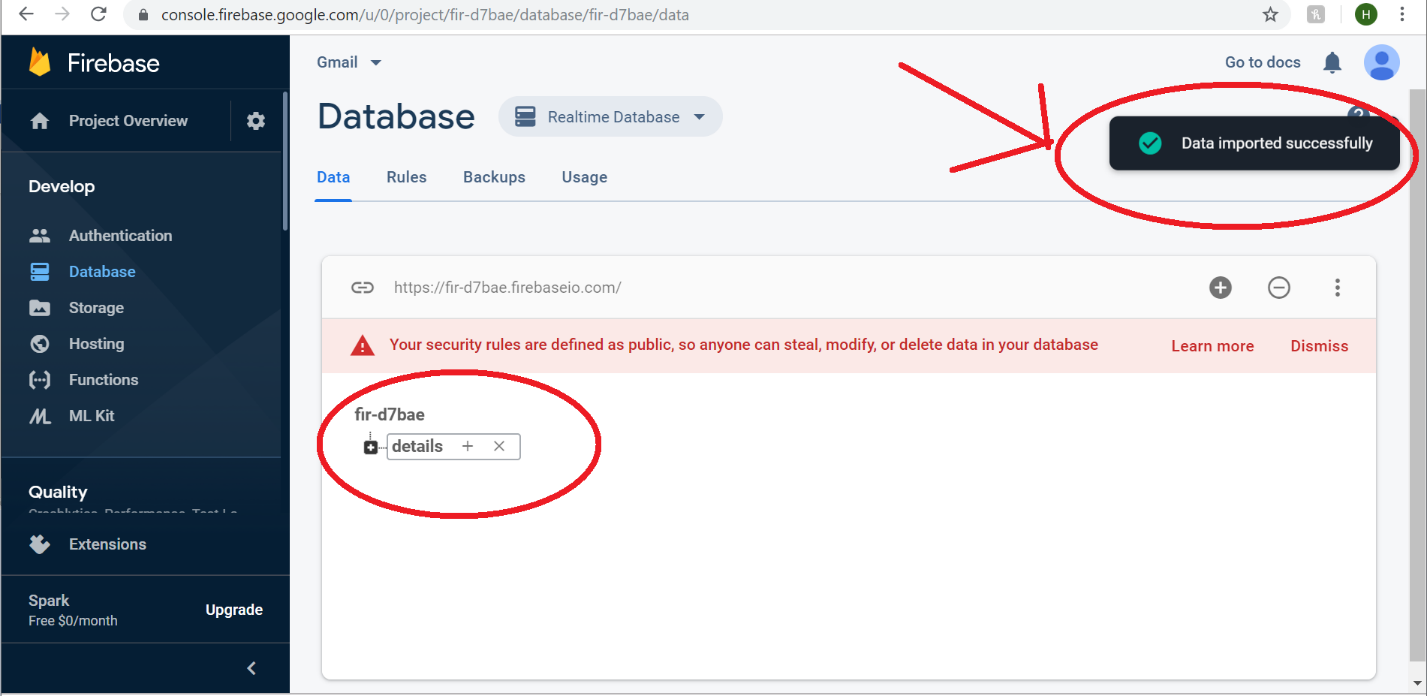
Step 26: Click on import option as shown above

Once you click on the import option as shown above you should be able to see the “data import successfully” message



This message lasts for few seconds so don’t panic if you did not notice

Step 27: Also, you should see your details table being create as shown below

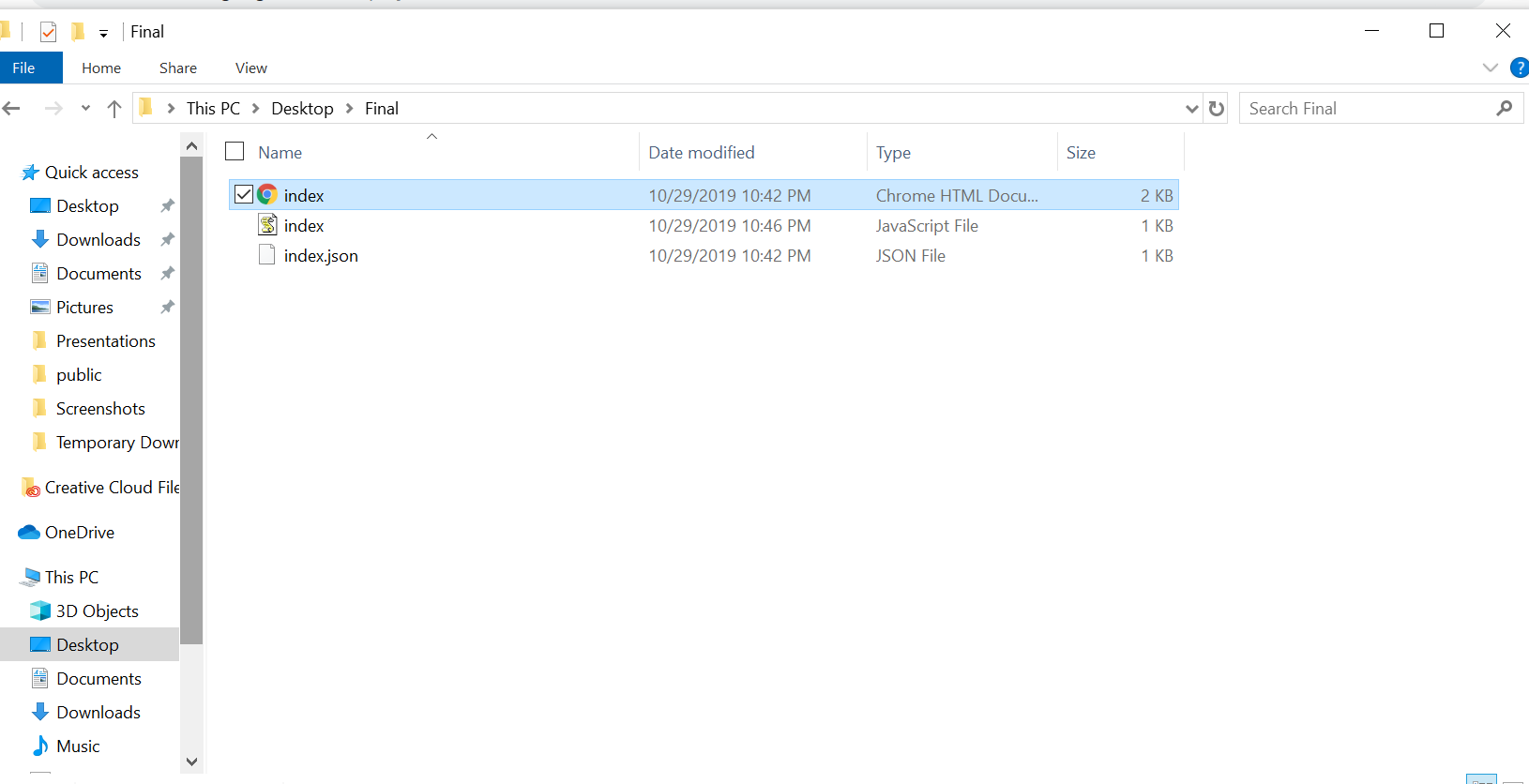


Step 28: Click on the + sign beside the details to see all the data that is being imported

It should look like below:



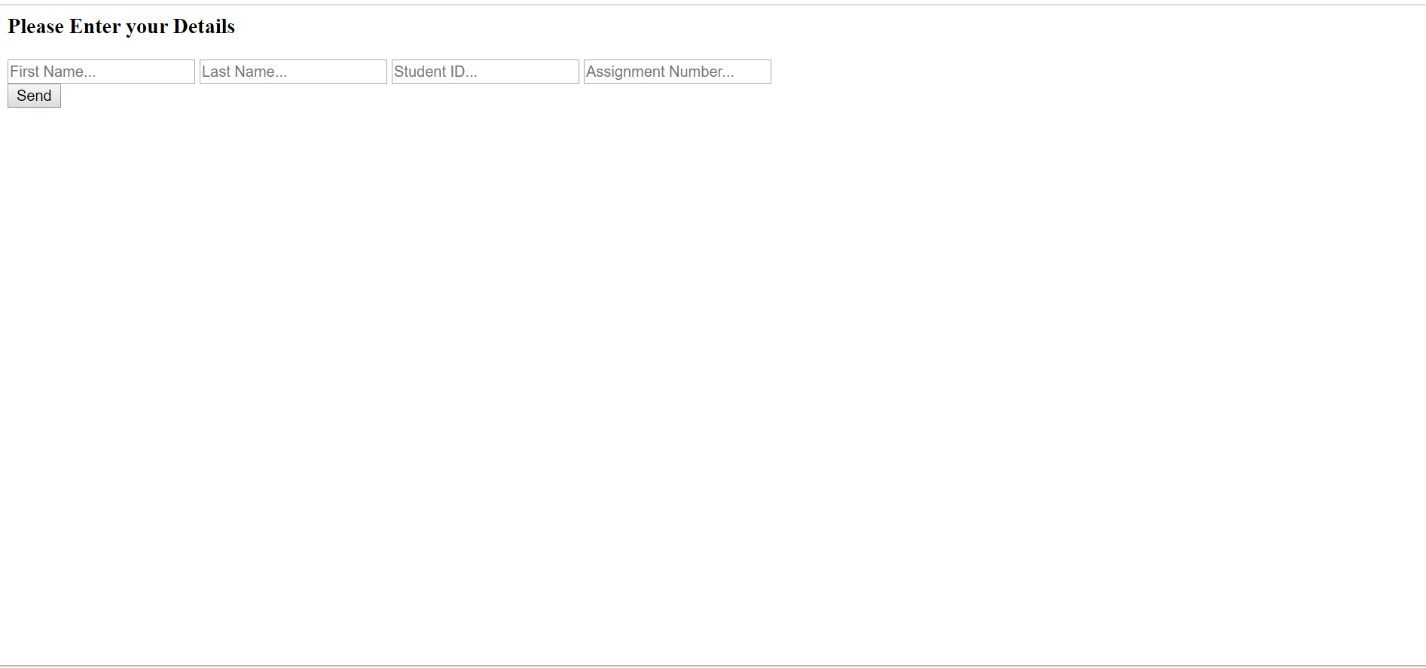
Step 29: Now go to your folder in your computer containing index.html



Step 30: Open your index.html page in a browser

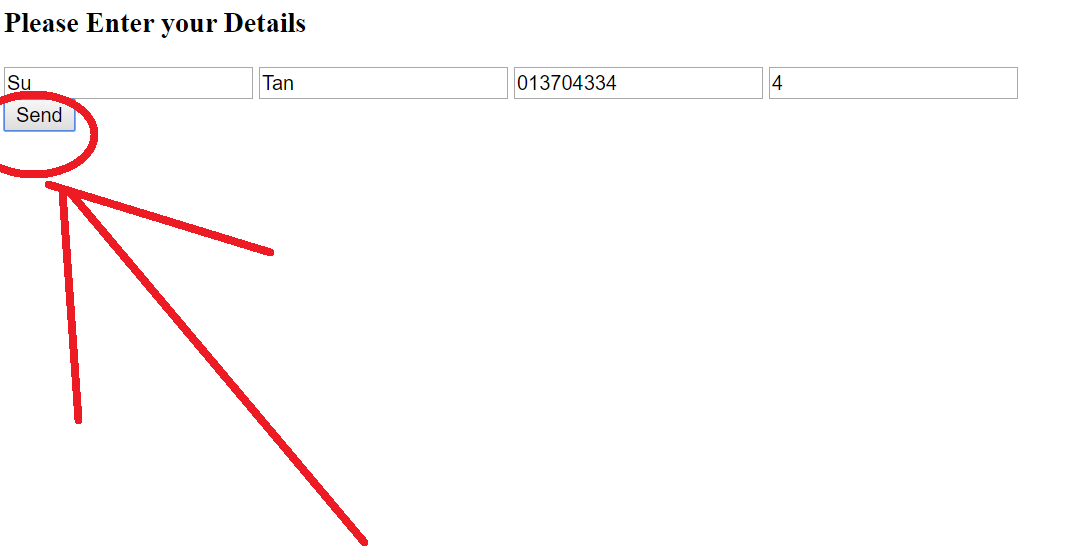
Step 31: You should see the html page similar to the below image.

Note: Styles and positioning might be different but there must be four fields and a send button.



Step 32: Now enter the details and click on send button

Example: Here I am entering a student name Su Tan and her student id is 013704334, Assignment number is 4.

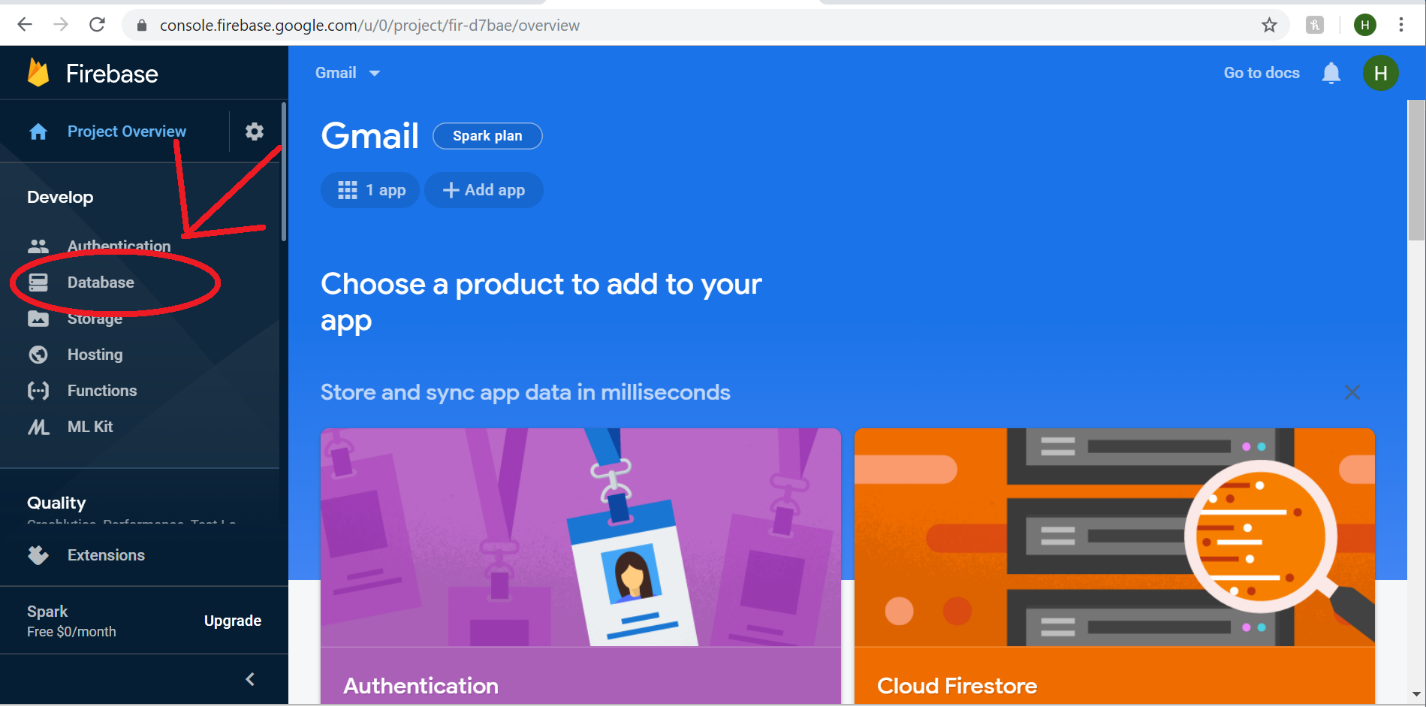


VIEW DATA IN YOUR DATABASE

Step 33: Go to <https://console.firebase.google.com/u/0/>

Step 34: Click on your project

Step 35: Click on the database as shown below:



Step 35: The data in the database should be like below:



If you cannot see the new user added then it is an error.