

CLOUD PROJECT
DATE: 25.06.2021

S.SANDHIYA
MCA SS
DEPARTMENT OF IST
COLLEGE OF ENGINEERING GUINDY
REG NO: 2019272034

DEPLOY THE WEB APPLICATION USING FIREBASE

Introduction:

First we need to create the javascript file with these operations(insert and delete) and create a google firebase create a project and then choose a the web app named as (i.e.firebasejs) then we will get some firebase configuration add it to the javascript file.

Javascript using simple data:

- Name
- RollNo
- Sections
- Gender

Using these simple attributes to store and retrieve the information as given data in firebase

FIREBASE CLOUD:

Cloud Functions for Firebase is a serverless framework that lets you automatically run backend code in response to events triggered by Firebase features and HTTPS requests. Your JavaScript or TypeScript code is stored in Google's cloud and runs in a managed environment. There's no need to manage and scale your own servers.

Steps:

1. Open the browser and type google firebase click the first top of the link which has shown [Firebase \(google.com\)](https://firebase.google.com/)
2. Then we have to sign up with the google account which did you have next click go to console tab is appeared on the top of the browser
3. Click the **add Project** this will moves to new window.

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4. Create the project name and click create it moves to new window next **disable** all the google analysis
5. Finally click **submit** button.
6. You will get firebase configuration
7. Click the **realtime database** in the firebase
8. Create the **new database**
9. Click the **test mode** which is appear as radio button
10. Click **Enable**

Project settings:

Project settings

General Cloud Messaging Integration Service accounts Data privacy Users and permissions App Check BETA

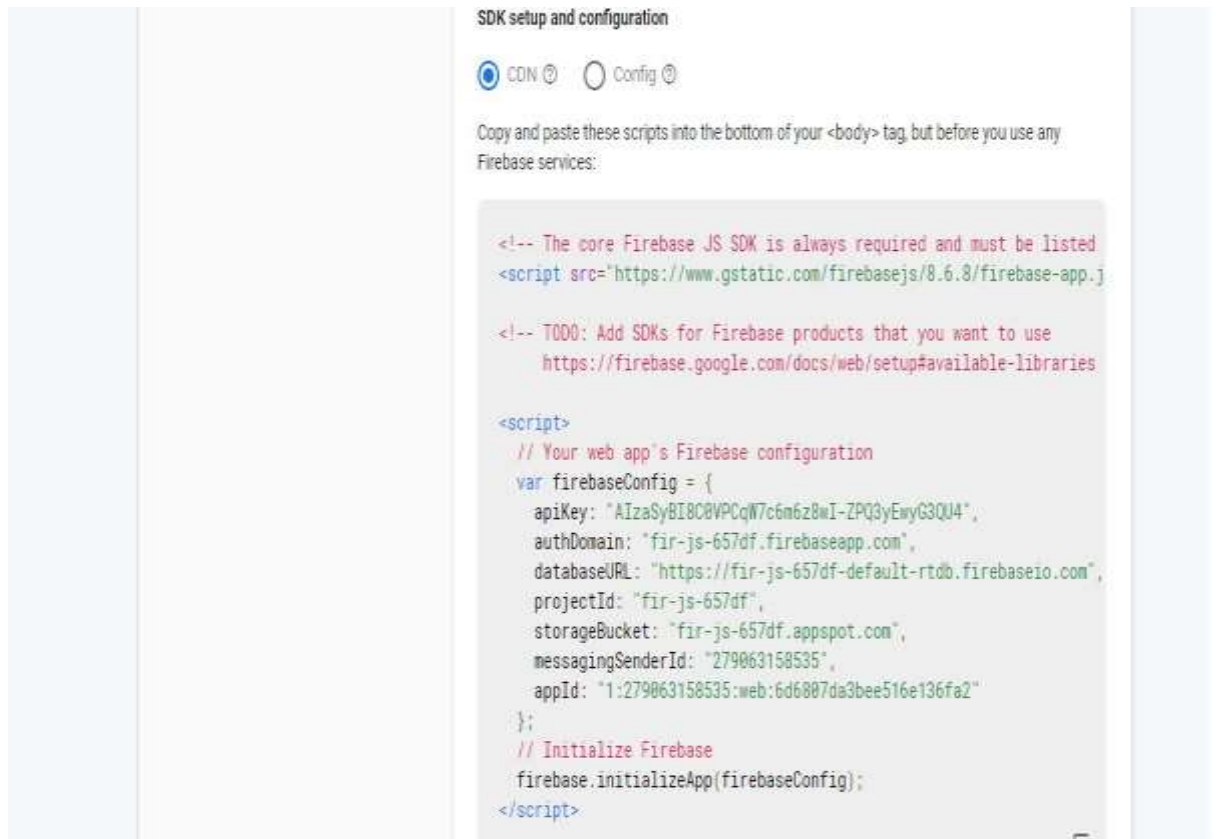
Your project

Project name	firebaseJS
Project ID	fir-js-657df
Project number	279063158535
Default GCP resource location	Not yet selected
Web API key	No web API key for this project

Public settings

These settings control instances of your project shown to the public

Public-facing name	project-279063158535
Support email	Not configured



Realtime Database:





Code:

```
<html>  
  
  <head>  
  
    <title>Read,Write, select data in Firebase  
JS</title>  
  
    <body>  
  
      Name <input id="namebox"  
type="text"></input> <br><br>  
  
      RollNo<input id="Rollbox"  
type="text"></input> <br><br>  
  
      sections <input id="secbox"  
type="text"></input> <br><br>  
  
      Gender <input id="genbox"  
type="text"></input> <br><br>  
  
      <br><br>  
  
      <button id="insert">INSERT</button>  
  
      <button id="select">SELECT</button>
```

```
        <script  
src="https://www.gstatic.com/firebasejs/8.6.8/firebase-  
app.js"></script>
```

```
        <script  
src="https://www.gstatic.com/firebasejs/8.6.8/firebase-  
auth.js"></script>
```

```
        <script  
src="https://www.gstatic.com/firebasejs/8.6.8/firebase-  
database.js"></script>
```

```
        <script id="MainScript">  
            // Your web app's Firebase  
configuration  
  
            var firebaseConfig = {  
                apiKey:  
"AIzaSyBI8C0VPCqW7c6m6z8wI-ZPQ3yEwyG3QU4",  
                authDomain: "fir-js-  
657df.firebaseio.com",  
                databaseURL:  
"https://fir-js-657df-default-rtdb.firebaseio.com",  
                projectId: "fir-js-  
657df",  
                storageBucket: "fir-js-  
657df.appspot.com",  
                messagingSenderId:  
"279063158535",  
                appId:  
"1:279063158535:web:6d6807da3bee516e136fa2"  
            };  
            // Initialize Firebase
```

```
firebase.initializeApp(firebaseConfig);

//-----Ready data-----
-----//

    var namev, rollV, secV, genV;

    function ready() {

        namev =
document.getElementById('namebox').value;

        rollV =
document.getElementById('Rollbox').value;

        secV =
document.getElementById('secbox').value;

        genV =
document.getElementById('genbox').value;

    }

//-----Insert process-----
-----//

document.getElementById('insert').onclick =
function() {

    ready();

    firebase.database().ref('student/'+rollV).set({

        NameofStudent: namev,

        RollNo: rollV,
```

```
                sections: secV,

                Gender: genV

            });

            alert("insert successfully");

        }

//-----select process-----
//

document.getElementById('select').onclick =
function() {

                ready();

firebase.database().ref('student/'+rollV).set('value'
, function(snapshot){

document.getElementById('namebox').value=
snapshot.val().NameofStudent;

document.getElementById('secbox').value=
snapshot.val().sections;

document.getElementById('genbox').value=
snapshot.val().Gender;

                });

        }

</script>

</body>
```


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```
</head>  
  
</html>
```

Output:

Web application:

Name

RollNo

sections

Gender

INSERT

SELECT

Insert:



Select:

2019272034



Thank You!!!!