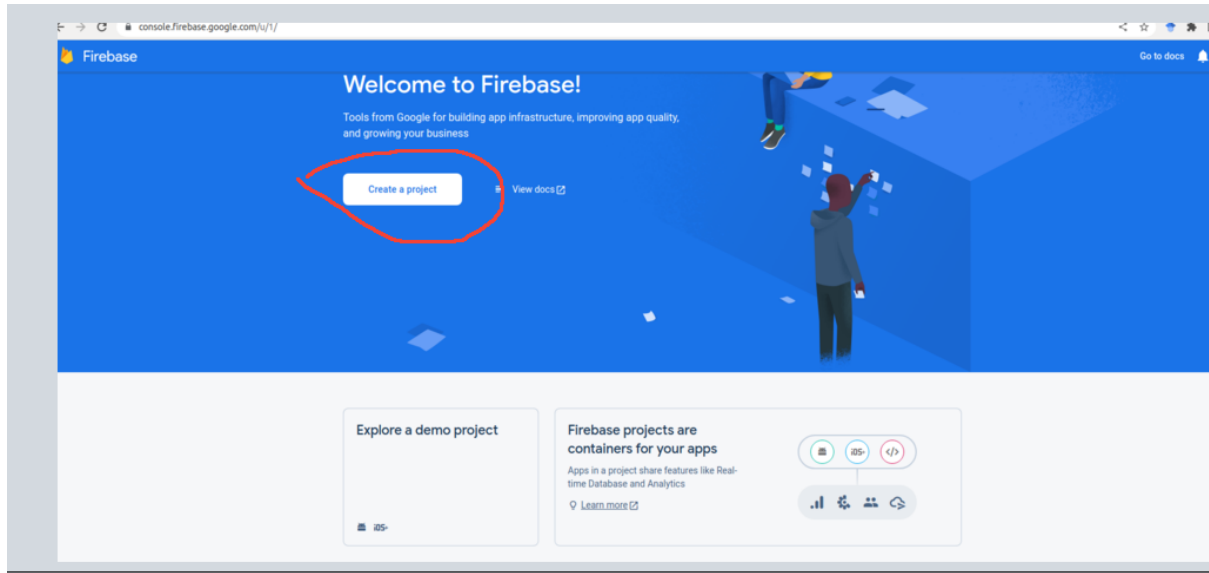


Connecting Python to Firebase

Go to firebase website following this link <https://console.firebase.google.com/u/1/>

Next create project as follows



Next name your Project

Let's start with a name for your project [?]

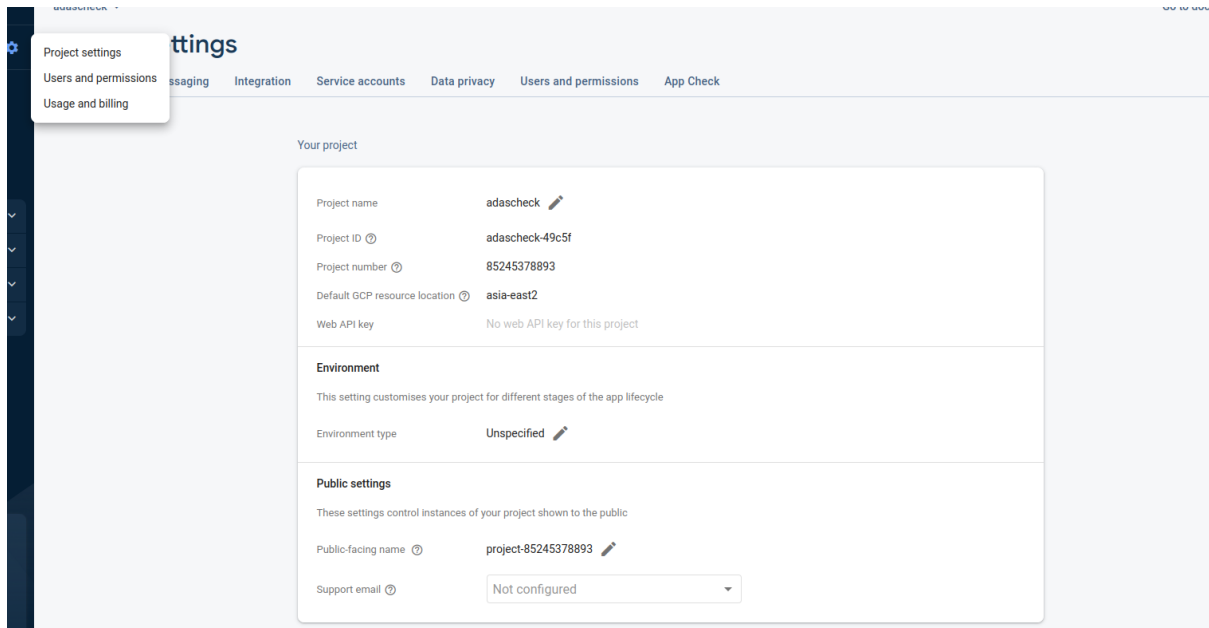
Project name

myfirstproject-413d7

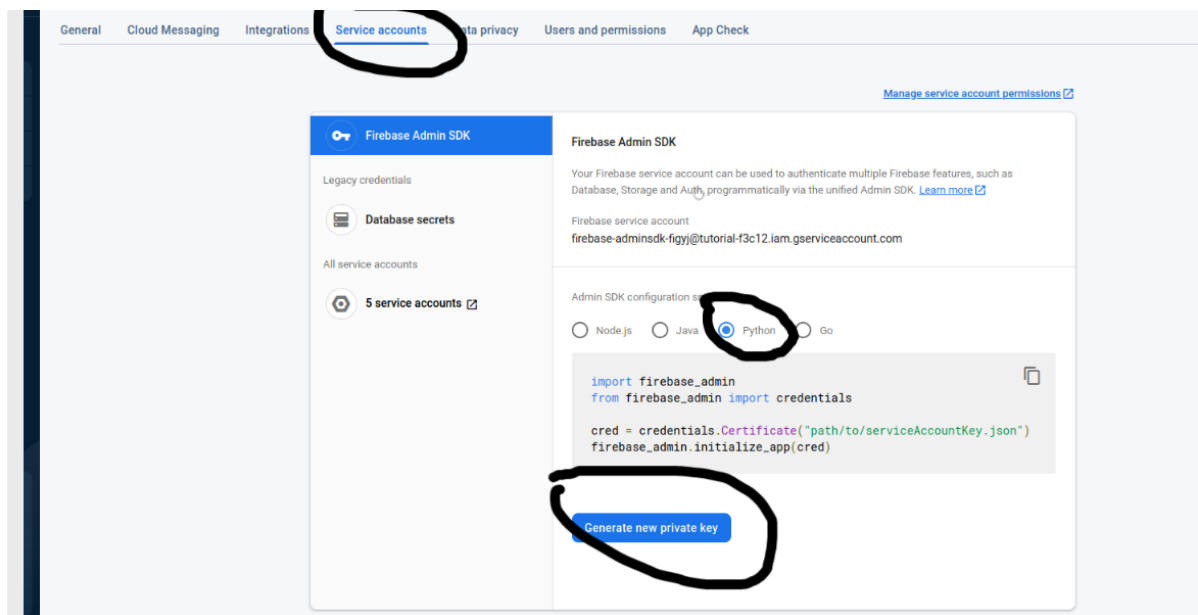
Continue

Next pages are self explanatory

Once your project is created go to project setting

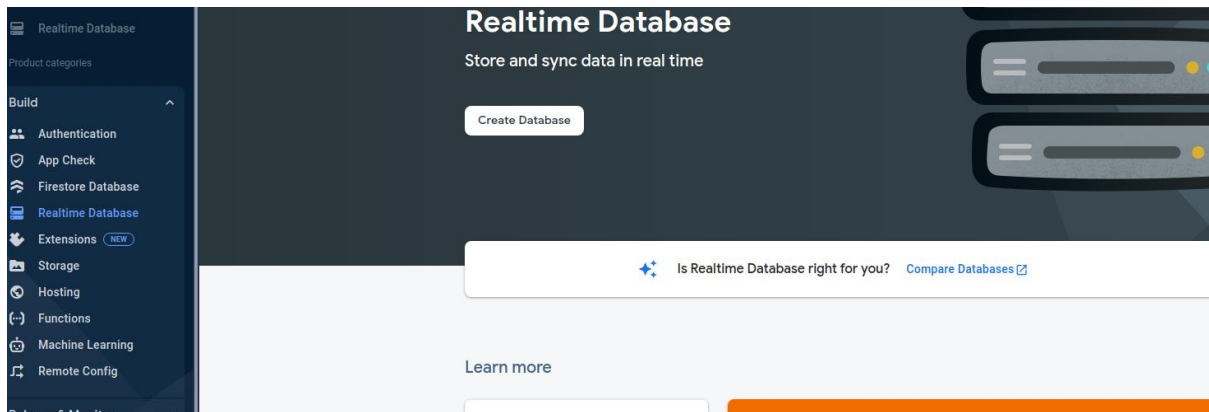


select



now a json file with credentials will be downloaded Rename it as serviceAccount.json

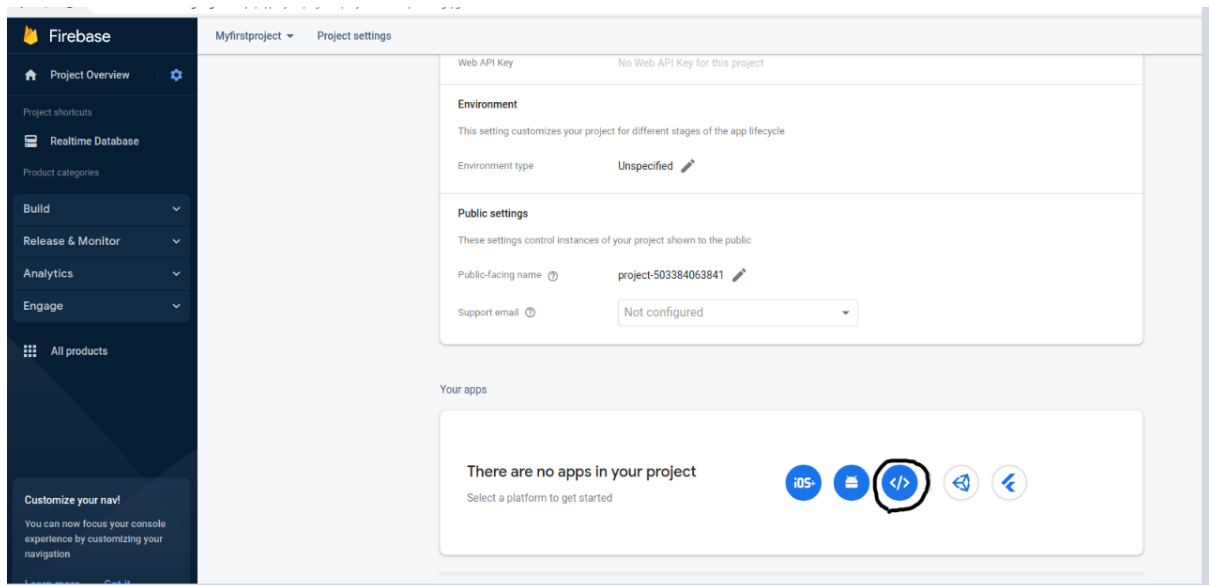
Next go to real time database and create database



select in test mode



Now we will add an app to our project. I have selected a web project



Next give a name

×

Add Firebase to your web app

1

Register app

App nickname ?

Myfirstapp

☒
Also set up **Firebase Hosting** for this app. [Learn more](#)

Hosting can also be set up later. There is no cost to get started anytime.

myfirstproject-413d7 (No deploys yet)

Register app

2

Add Firebase SDK

3

Install Firebase CLI

4

Deploy to Firebase Hosting

Import libraries

Once you have created the project the following content

time Database

Categories

Monitor

products

your nav!

focus your console by customizing your

Got it

month

Upgrade

Web apps

Myfirstapp Web App

App nickname

Myfirstapp

App ID

1:503384063841:web:62a1f42be8a2a5669b4f20

Linked Firebase Hosting site

myfirstproject-413d7

SDK setup and configuration

☐ npm
☐ CDN
☒ Config

Firebase configuration object containing keys and identifiers for your app:

```
// For Firebase JS SDK v7.20.0 and later, measurementId is optional
const firebaseConfig = {
  apiKey: "AIzaSyCLqjzjw_Xh6-8RJU8EMjkILrIKUzPmDs",
  authDomain: "myfirstproject-413d7.firebaseio.com",
  databaseURL: "https://myfirstproject-413d7-default-rtdb.firebaseio.com",
  projectId: "myfirstproject-413d7",
  storageBucket: "myfirstproject-413d7.appspot.com",
  messagingSenderId: "503384063841",
  appId: "1:503384063841:web:62a1f42be8a2a5669b4f20",
  measurementId: "G-CCTV9T9EVM"
};
```

Are you using npm and a bundler like webpack or Rollup? Check out the [modular SDK](#).

Learn more about Firebase for web: [Get Started](#), [Web SDK API Reference](#), [Samples](#)

Make the following dictionary. For service Account Add the path to json file which you downloaded earlier. and database url from real time database which we created earlier.

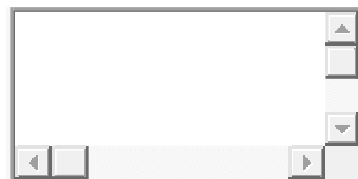
In [1]:



```
config = {  
    "apiKey": "AlzaSyCLqzjjw_Xh6-0RJU8EMjklLriKUzPmDs",  
    "authDomain": "myfirstproject-413d7.firebaseio.com",  
    "projectId": "myfirstproject-413d7",  
    "storageBucket": "myfirstproject-413d7.appspot.com",  
    "messagingSenderId": "503384063841",  
    "appId": "1:503384063841:web:62a1f42be8a2a5669b4f20",  
    "measurementId": "G-CCTV9T9EVM",  
    "serviceAccount": "myfirst.json",  
    "databaseURL": "https://myfirstproject-413d7-default-rtdb.firebaseio.com/"  
}
```

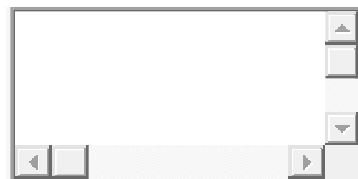
Importing libraries

In [2]:



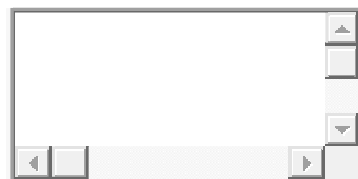
```
import firebase_admin  
from firebase_admin import credentials  
from firebase_admin import db  
import pyrebase  
from firebase_admin import credentials, storage
```

In [3]:



```
firebase = pyrebase.initialize_app(config)  
cred = credentials.Certificate('myfirst.json')
```

In [10]:

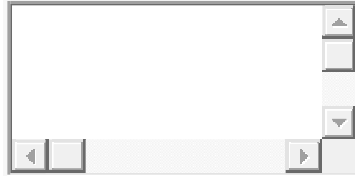


```
db = firebase.database()
```

This is the dictionary i want to send

```
data = {  
    "name": "imtiazi",  
    "age": 25  
}
```

In [11]:

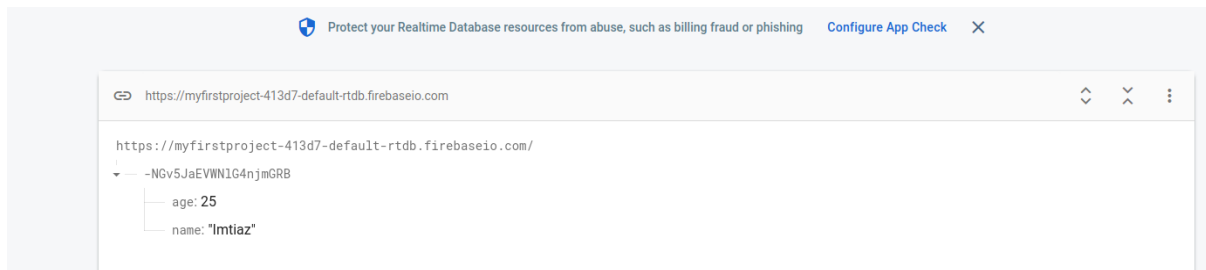


```
db.child("").push(data)
```

Out[11]:

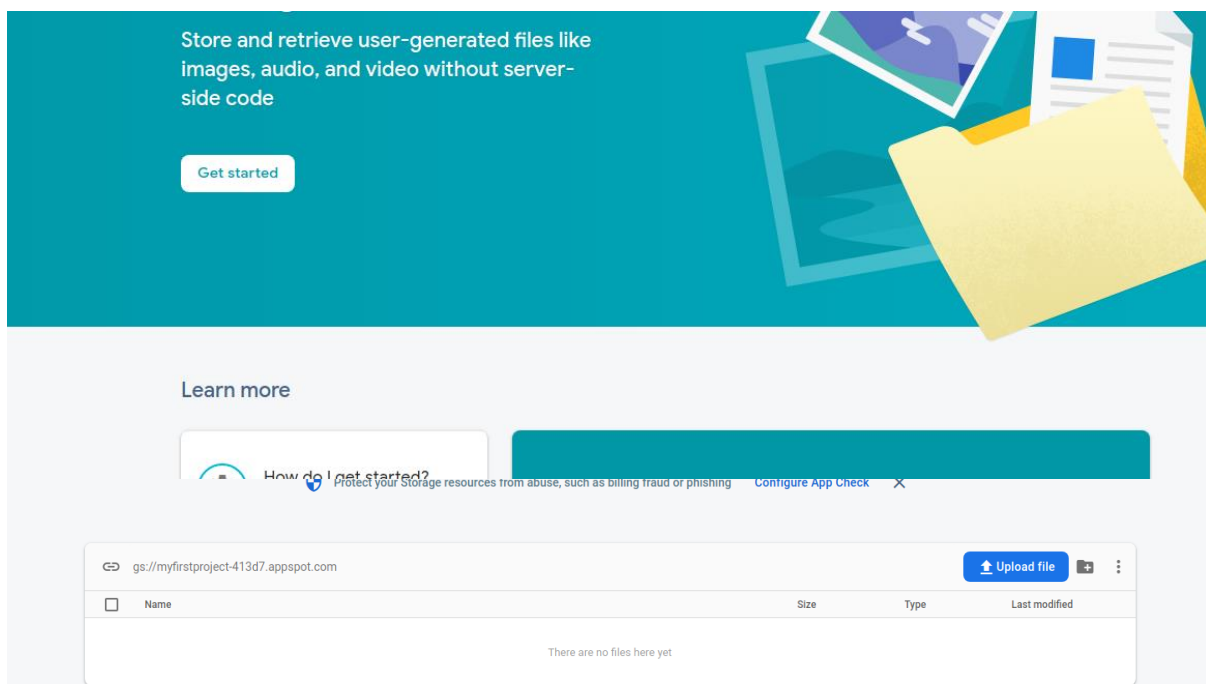
```
{'name': '-NKTH3WkBC-ehYnXZrlk'}
```

We can see Uploaded data on Firebase server database

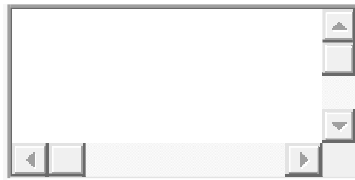


Sending Images on firebase storage

Go to firebase web and create storage



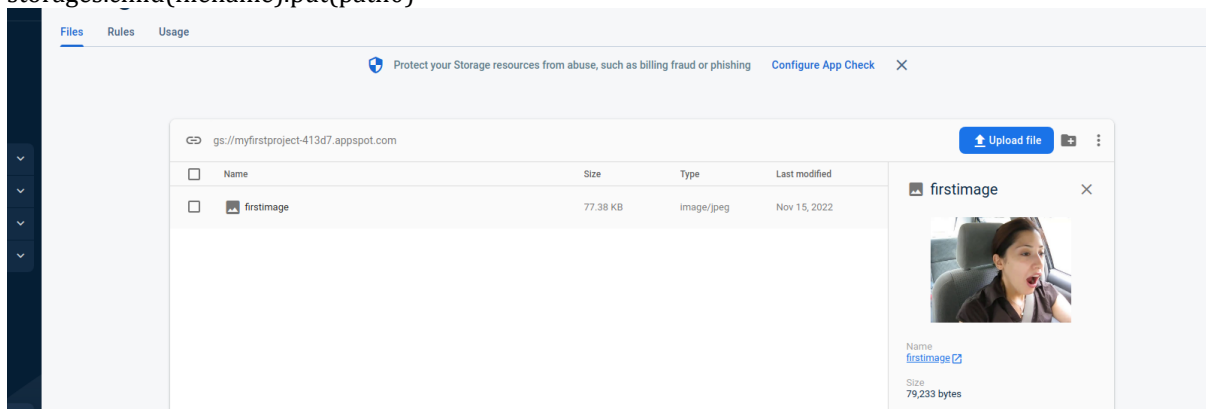
In [12]:



To send image locate the image path and assign it to path0 as follows. Filename refers to name of file in the
Cloud storage

```
path0="/2.jpg"  
filename="imtiaz"
```

```
storages = firebase.storage()  
storages.child(filename).put(path0)
```

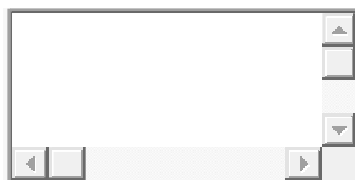


In [] :



Retrieving Data

In [8] :



```
user=db.child('').get()  
print(user.val())
```

```
OrderedDict([('NGv5JaEVWNlG4njmGRB', {'age': 25, 'name': 'Imtiaz'}), ('NGv5zrRRgjEtWfH5OA-', {'age': 25, 'name': 'Imtiaz'}), ('NGv7AZhn6JdRLoXdSky', {'age': 25, 'name': 'Imtiaz'}), ('NKTG884I9T_2WUQzeIO', {'age': 25, 'name': 'Imtiaz'})])
```

In []:

