

In [1]: `pip install firebase`

```
Requirement already satisfied: firebase in c:\users\slaga\anaconda3\lib\site-packages (3.0.1)
Requirement already satisfied: requests in c:\users\slaga\anaconda3\lib\site-packages (from firebase) (2.24.0)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\slaga\anaconda3\lib\site-packages (from requests->firebase) (2020.6.20)
Requirement already satisfied: chardet<4,>=3.0.2 in c:\users\slaga\anaconda3\lib\site-packages (from requests->firebase) (3.0.4)
Requirement already satisfied: urllib3!=1.25.0,!1.25.1,<1.26,>=1.21.1 in c:\users\slaga\anaconda3\lib\site-packages (from requests->firebase) (1.25.9)
Requirement already satisfied: idna<3,>=2.5 in c:\users\slaga\anaconda3\lib\site-packages (from requests->firebase) (2.10)
Note: you may need to restart the kernel to use updated packages.
```

In [2]: `pip install firebase-admin`

```
Requirement already satisfied: firebase-admin in c:\users\slaga\anaconda3\lib
\site-packages (4.5.0)
Requirement already satisfied: google-cloud-storage>=1.18.0 in c:\users\slaga
\anaconda3\lib\site-packages (from firebase-admin) (1.35.0)
Requirement already satisfied: cachecontrol>=0.12.6 in c:\users\slaga\anacond
a3\lib\site-packages (from firebase-admin) (0.12.6)
Requirement already satisfied: google-api-python-client>=1.7.8 in c:\users\sl
aga\anaconda3\lib\site-packages (from firebase-admin) (1.12.8)
Requirement already satisfied: google-cloud-firestore>=1.4.0; platform_python
_implementation != "PyPy" in c:\users\slaga\anaconda3\lib\site-packages (from
firebase-admin) (2.0.2)
Requirement already satisfied: google-api-core[grpc]<2.0.0dev,>=1.14.0; platf
orm_python_implementation != "PyPy" in c:\users\slaga\anaconda3\lib\site-pack
ages (from firebase-admin) (1.24.1)
Requirement already satisfied: google-auth<2.0dev,>=1.11.0 in c:\users\slaga
\anaconda3\lib\site-packages (from google-cloud-storage>=1.18.0->firebase-adm
in) (1.24.0)
Requirement already satisfied: google-cloud-core<2.0dev,>=1.4.1 in c:\users\s
laga\anaconda3\lib\site-packages (from google-cloud-storage>=1.18.0->firebase
-admin) (1.5.0)
Requirement already satisfied: requests<3.0.0dev,>=2.18.0 in c:\users\slaga\anaconda3\lib\site-packages (from google-cloud-storage>=1.18.0->firebase-admin) (2.24.0)
Requirement already satisfied: google-resumable-media<2.0dev,>=1.2.0 in c:\users\slaga\anaconda3\lib\site-packages (from google-cloud-storage>=1.18.0->firebase-admin) (1.2.0)
Requirement already satisfied: msgpack>=0.5.2 in c:\users\slaga\anaconda3\lib\site-packages (from cachecontrol>=0.12.6->firebase-admin) (1.0.0)
Requirement already satisfied: httplib2<1dev,>=0.15.0 in c:\users\slaga\anaconda3\lib\site-packages (from google-api-python-client>=1.7.8->firebase-admin) (0.18.1)
Note: you may need to restart the kernel to use updated packages.
Requirement already satisfied: six<2dev,>=1.13.0 in c:\users\slaga\anaconda3\lib\site-packages (from google-api-python-client>=1.7.8->firebase-admin) (1.15.0)
Requirement already satisfied: uritemplate<4dev,>=3.0.0 in c:\users\slaga\anaconda3\lib\site-packages (from google-api-python-client>=1.7.8->firebase-admin) (3.0.1)
Requirement already satisfied: google-auth-httplib2>=0.0.3 in c:\users\slaga\anaconda3\lib\site-packages (from google-api-python-client>=1.7.8->firebase-admin) (0.0.4)
Requirement already satisfied: proto-plus>=1.3.0 in c:\users\slaga\anaconda3\lib\site-packages (from google-cloud-firestore>=1.4.0; platform_python_implementation != "PyPy"->firebase-admin) (1.13.0)
Requirement already satisfied: pytz in c:\users\slaga\anaconda3\lib\site-packages (from google-cloud-firestore>=1.4.0; platform_python_implementation != "PyPy"->firebase-admin) (2020.1)
Requirement already satisfied: setuptools>=34.0.0 in c:\users\slaga\anaconda3\lib\site-packages (from google-api-core[grpc]<2.0.0dev,>=1.14.0; platform_python_implementation != "PyPy"->firebase-admin) (49.2.0.post20200714)
Requirement already satisfied: protobuf>=3.12.0 in c:\users\slaga\anaconda3\lib\site-packages (from google-api-core[grpc]<2.0.0dev,>=1.14.0; platform_python_implementation != "PyPy"->firebase-admin) (3.14.0)
Requirement already satisfied: googleapis-common-protos<2.0dev,>=1.6.0 in
```

```
c:\users\slaga\anaconda3\lib\site-packages (from google-api-core[grpc]<2.0.0dev,>=1.14.0; platform_python_implementation != "PyPy"->firebase-admin) (1.52.0)
Requirement already satisfied: grpcio<2.0dev,>=1.29.0; extra == "grpc" in c:\users\slaga\anaconda3\lib\site-packages (from google-api-core[grpc]<2.0.0dev,>=1.14.0; platform_python_implementation != "PyPy"->firebase-admin) (1.34.0)
Requirement already satisfied: pyasn1-modules>=0.2.1 in c:\users\slaga\anaconda3\lib\site-packages (from google-auth<2.0dev,>=1.11.0->google-cloud-storage>=1.18.0->firebase-admin) (0.2.8)
Requirement already satisfied: cachetools<5.0,>=2.0.0 in c:\users\slaga\anaconda3\lib\site-packages (from google-auth<2.0dev,>=1.11.0->google-cloud-storage>=1.18.0->firebase-admin) (4.2.0)
Requirement already satisfied: rsa<5,>=3.1.4; python_version >= "3.6" in c:\users\slaga\anaconda3\lib\site-packages (from google-auth<2.0dev,>=1.11.0->google-cloud-storage>=1.18.0->firebase-admin) (4.6)
Requirement already satisfied: chardet<4,>=3.0.2 in c:\users\slaga\anaconda3\lib\site-packages (from requests<3.0.0dev,>=2.18.0->google-cloud-storage>=1.18.0->firebase-admin) (3.0.4)
Requirement already satisfied: idna<3,>=2.5 in c:\users\slaga\anaconda3\lib\site-packages (from requests<3.0.0dev,>=2.18.0->google-cloud-storage>=1.18.0->firebase-admin) (2.10)
Requirement already satisfied: urllib3!=1.25.0,!1.25.1,<1.26,>=1.21.1 in c:\users\slaga\anaconda3\lib\site-packages (from requests<3.0.0dev,>=2.18.0->google-cloud-storage>=1.18.0->firebase-admin) (1.25.9)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\slaga\anaconda3\lib\site-packages (from requests<3.0.0dev,>=2.18.0->google-cloud-storage>=1.18.0->firebase-admin) (2020.6.20)
Requirement already satisfied: google-crc32c<2.0dev,>=1.0; python_version >= "3.5" in c:\users\slaga\anaconda3\lib\site-packages (from google-resumable-media<2.0dev,>=1.2.0->google-cloud-storage>=1.18.0->firebase-admin) (1.1.0)
Requirement already satisfied: pyasn1<0.5.0,>=0.4.6 in c:\users\slaga\anaconda3\lib\site-packages (from pyasn1-modules>=0.2.1->google-auth<2.0dev,>=1.11.0->google-cloud-storage>=1.18.0->firebase-admin) (0.4.8)
```

```
In [3]: import firebase_admin
```

```
In [4]: from firebase_admin import credentials
        from firebase_admin import firestore
```

```
In [5]: cred = credentials.Certificate("project-81359-firebase-adminsdk-48gpw-d05949888a.firebaseio.com")
        firebase_admin.initialize_app(cred)
```

```
Out[5]: <firebase_admin.App at 0x1ad4f35b190>
```

```
In [6]: db=firestore.client()
```

```
In [7]: doc_ref = db.collection(u'users').document(u'abc')

doc_ref.set({
    u'first': u'pooja',
    u'last': u'lagade',
    u'born': 2002
})
```

```
Out[7]: update_time {
  seconds: 1608532290
  nanos: 669100000
}
```

```
In [15]: def enterDataInDB(name,lastname,age,mail):
    doc_ref=db.collection(u'LetsUpgrade').document()
    dit={}
    dit["firstName"]=name
    dit["lastName"]=lastname
    dit["age"]=age
    dit["mail"]=mail
    doc_ref.set(dit)
```

```
In [16]: enterDataInDB("Pooja","Lagade",'18','user2@gmail.com')
```

```
In [17]: enterDataInDB("sai","pavan","22",'user3@gmail.com')
```

```
In [18]: enterDataInDB("Sriku","K","21","user4@gmail.com")
```

```
In [19]: docs=db.collection(u'LetsUpgrade').stream()
for doc in docs:
    print("FirstName-",doc.to_dict().get("firstName"))
    print("LastName-",doc.to_dict().get("lastName"))
    print("Age-",doc.to_dict().get("age"))
    print("Mailid-",doc.to_dict().get("mail"))
    print("*****")
    print("=====")
```

```
FirstName- Sriku
LastName- K
Age- 21
Mailid- user4@gmail.com
*****
=====
FirstName- Pooja
LastName- Lagade
Age- 18
Mailid- user2@gmail.com
*****
=====
FirstName- sai
LastName- pavan
Age- 22
Mailid- user3@gmail.com
*****
=====
```

```
In [ ]:
```