In [1]:

```python
import firebase_admin
from firebase_admin import credentials,firestore
```

In [3]:

```python
cred = credentials.Certificate('serviceAccountKey.json')
# here u need to specify path o

firebase_admin.initialize_app(cred)
```

Out[3]:

```
<firebase_admin.App at 0x7faffc21c6a0>
```

In [5]:

```python
db = firestore.client()
```

In [9]:

```python
collection = db.collection('users')
```

In [71]:

```python
document = collection.document('Elephant')
```

In [72]:

```python
data = {
    'first_name':'Bhuvan',
    'last_name' : 'Bam'
}
document.set(data)
```

Out[72]:

```
update_time {
  seconds: 1638333598
  nanos: 987487000
}
```

In [63]:

```python
# stream is used to get all data

for doc in collection.stream():
    print(f'{doc.id} : {" ".join(i for i in doc.to_dict().values())}')
```

```
doc1 : Krishna maurya
doc2 : Rushikesh Ahire
doc3 : Shukla Aman
```

In [65]:

```python
# get is used to get single data
collection.document('doc1').get().to_dict()
```

Out[65]:

```
{'first_name': 'Krishna', 'last_name': 'maurya'}
```

In [76]:

```python
# deleting document
collection.document('Elephant').delete()
```

Out[76]:

```
DatetimeWithNanoseconds(2021, 12, 1, 4, 41, 0, 466349, tzinfo=datetim
e.timezone.utc)
```

In [77]:

```python
doc2 = collection.document('doc2')
```

In [79]:

```python
# adding new field
doc2.update({
    'favourite_color':'blue',
})
```

Out[79]:

```
update_time {
  seconds: 1638333721
  nanos: 619543000
}
```

In [80]:

```python
# adding new field
doc2.update({
    'age':55
})
```

Out[80]:

```
update_time {
  seconds: 1638333730
  nanos: 572268000
}
```

In [81]:

```python
# updating existing field
doc2.update({
    'age':25
})
```

Out[81]:

```
update_time {
  seconds: 1638333734
  nanos: 625087000
}
```

In [55]:

```python
# deleting field

doc2.update({
    'age': firestore.DELETE_FIELD
})
```

Out[55]:

```
update_time {
  seconds: 1638332936
  nanos: 770338000
}
```

In [57]:

```python
collection.document('doc1').delete()
```

Out[57]:

```
DatetimeWithNanoseconds(2021, 12, 1, 4, 34, 57, 473727, tzinfo=datetime.timezone.utc)
```

In [ ]: