MONGODB ASSIGNMENT
Roll no-84016

Q6.View list of available databases
 Ans.

```
cdac> show dbs
D2-suyash-84016      8.00 KiB
admin               40.00 KiB
cdac               112.00 KiB
config             108.00 KiB
local               40.00 KiB
cdac>
```

Q7.Create a new database named CDAC and connect to it.
Ans.

```
D2-suyash-84016> use cdac
switched to db cdac
```

Q8.View list of available collections in CDAC database.
Ans.

```
cdac> show collections
books
LIBRARY
cdac>
```

Q9.Create a new collection by the name of LIBRARY.
Ans.

```
cdac> db.createCollection('LIBRARY')
{ ok: 1 }
```

Q10. Insert the following document in the LIBRARY collection:-
title:'MongoDB programming', author:'Sameer', likes:100.
Ans.

```
cdac> db.LIBRARY.insert({title:'MongoDB programming',suthor:'Sammer',lik
es:100})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('66069a29af9ac509a17b2db0') }
}
```

Q11.View the recently inserted document and note the _id field.
Ans.

```
cdac> db.LIBRARY.find()
[
  {
    _id: ObjectId('66069a29af9ac509a17b2db0'),
    title: 'MongoDB programming',
    suthor: 'Sammer',
    likes: 100
  }
]
```

Q12.Insert another document in the LIBRARY collection as follows:-
title:'MySQL programming',authors:['Jack','Jill'], likes:200.
Ans.

```
cdac> db.LIBRARY.insert({title:'MySQL programming', authors:['jack','JIL
L'],likes:200})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('66069ce5af9ac509a17b2db1') }
}
cdac>
```

Q13.likes:200View the inserted documents

```
cdac> db.LIBRARY.find()
[
  {
    _id: ObjectId('66069a29af9ac509a17b2db0'),
    title: 'MongoDB programming',
    suthor: 'Sammer',
    likes: 100
  },
  {
    _id: ObjectId('66069ce5af9ac509a17b2db1'),
    title: 'MySQL programming',
    authors: [ 'jack', 'JILL' ],
    likes: 200
  }
]
cdac>
```

Q14.View only the first inserted document

```
cdac> db.LIBRARY.findOne()
{
  _id: ObjectId('66069a29af9ac509a17b2db0'),
  title: 'MongoDB programming',
  suthor: 'Sammer',
  likes: 100
}
cdac>
```

Q15.View the documents using the pretty() method

```
cdac> db.LIBRARY.find().pretty()
[
  {
    _id: ObjectId('66069a29af9ac509a17b2db0'),
    title: 'MongoDB programming',
    suthor: 'Sammer',
    likes: 100
  },
  {
    _id: ObjectId('66069ce5af9ac509a17b2db1'),
    title: 'MySQL programming',
    authors: [ 'jack', 'JILL' ],
    likes: 200
  }
]
cdac>
```

Q16.Update the document where author name Sameer and change it to Sameer Dehadrai

```
cdac> db.LIBRARY.update({suthor:'Sammer'},{$set:{suthor:'Sameer Dehadrai
'}})
DeprecationWarning: Collection.update() is deprecated. Use updateOne, up
dateMany, or bulkWrite.
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
cdac>
```

Q17.Delete all documents that have 100 likes.

```
cdac> db.LIBRARY.remove({likes:100})
{ acknowledged: true, deletedCount: 1 }
cdac> db.LIBRARY.find()
[
  {
    _id: ObjectId('66069ce5af9ac509a17b2db1'),
    title: 'MySQL programming',
    authors: [ 'jack', 'JILL' ],
    likes: 200
  }
]
cdac>
```

Q18. Drop the LIBRARY collection

```
cdac> db.LIBRARY.remove({likes:100})
cdac> db.LIBRARY.drop()
true
cdac> show collections
books
cdac>
```

Q19 Drop the CDAC database

```
cdac> db.dropDatabase()
{ ok: 1, dropped: 'cdac' }
cdac> show dbs
D2-suyash-84016    8.00 KiB
admin             40.00 KiB
config            72.00 KiB
local             40.00 KiB
```

Q20 Exit from MongoDB shell

```
D2-suyash-84016> exit
suyash@vivobook:~$
```