

```

myBlog> db.users.find()

myBlog> db.users.insertOne({
...   id: 1,
...   firstname: 'John',
...   lastname: 'Doe',
...   emailaddress: 'john.doe@example.com',
...   password: 'hashedPassword',
...   creationdate: new Date(),
...   updationdate: new Date(),
... })
{
  acknowledged: true,
  insertedId: ObjectId('656ed8ce99b813f5eb739cf6')
}
myBlog> db.users.insertMany([
...   {
...     id: 2,
...     firstname: 'Mary',
...     lastname: 'Johnson',
...     emailaddress: 'mary.johnson@example.com',
...     password: 'hashedPassword2',
...     creationdate: new Date(),
...     updationdate: new Date(),
...   },
...   {
...     id: 3,
...     firstname: 'Melinda',
...     lastname: 'Smith',
...     emailaddress: 'melinda.smith@example.com',
...     password: 'hashedPassword3',
...     creationdate: new Date(),
...     updationdate: new Date(),
...   }
... ])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('656ed8fa99b813f5eb739cf7'),
    '1': ObjectId('656ed8fa99b813f5eb739cf8')
  }
}
myBlog> db.users.find()
[
  {
    _id: ObjectId('656ed8ce99b813f5eb739cf6'),
    id: 1,
    firstname: 'John',
    lastname: 'Doe',
    emailaddress: 'john.doe@example.com',
    password: 'hashedPassword',
    creationdate: ISODate('2023-12-05T08:01:18.187Z'),
    updationdate: ISODate('2023-12-05T08:01:18.187Z')
  },
  {
    _id: ObjectId('656ed8fa99b813f5eb739cf7'),
    id: 2,
    firstname: 'Mary',
    lastname: 'Johnson',
    emailaddress: 'mary.johnson@example.com',
    password: 'hashedPassword2',
    creationdate: ISODate('2023-12-05T08:02:02.495Z'),
    updationdate: ISODate('2023-12-05T08:02:02.495Z')
  },
  {
    _id: ObjectId('656ed8fa99b813f5eb739cf8'),
    id: 3,
    firstname: 'Melinda',
    lastname: 'Smith',
    emailaddress: 'melinda.smith@example.com',
    password: 'hashedPassword3',
    creationdate: ISODate('2023-12-05T08:02:02.495Z'),
    updationdate: ISODate('2023-12-05T08:02:02.495Z')
  }
]
myBlog> db.posts.insertMany([
...   {
...     title: 'First Post',
...     content: 'This is the content of the first post.',
...     author: 'John Doe',
...     createdAt: new Date(),
...   },
...   {
...     title: 'Second Post',
...     content: 'This is the content of the second post.',
...     author: 'Jane Smith',
...     createdAt: new Date(),
...   },
...   {
...     title: 'Third Post',
...     content: 'This is the content of the third post.',
...     author: 'Bob Johnson',
...     createdAt: new Date(),
...   }
... ])

```

```

{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('656ed94199b813f5eb739cf9'),
    '1': ObjectId('656ed94199b813f5eb739cfa'),
    '2': ObjectId('656ed94199b813f5eb739cfb')
  }
}
myBlog> db.posts.find({userId:1});

myBlog> db.posts.updateOne(
... { title: 'First Post' },
... { $set: { likes: 10 } }
... )
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
myBlog> db.posts.find({ title: 'First Post' })
[
  {
    _id: ObjectId('656ed94199b813f5eb739cf9'),
    title: 'First Post',
    content: 'This is the content of the first post.',
    author: 'John Doe',
    createdAt: ISODate('2023-12-05T08:03:13.955Z'),
    likes: 10
  }
]
myBlog> db.createCollection("posts")
{ ok: 1 }
myBlog> db.createCollection("comments")
{ ok: 1 }
myBlog> db.posts.insertMany([
... {
...   title: 'First Post',
...   content: 'This is the content of the first post.',
...   author: 'John Doe',
...   createdAt: new Date(),
...   likes: 0,
... },
... // Add more posts as needed
... ])
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('656ed9e499b813f5eb739cfc') }
}
myBlog> // Find the post you want to add comments to

myBlog> const postId = db.posts.findOne({ title: 'First Post' })._id;

myBlog>

myBlog> db.comments.insertMany([
... { postId, text: 'Great post!', author: 'Commenter1', createdAt: new Date() },
... { postId, text: 'I enjoyed reading this.', author: 'Commenter2', createdAt: new Date() },
... // Add more comments as needed
... ])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('656ed9fc99b813f5eb739cfd'),
    '1': ObjectId('656ed9fc99b813f5eb739cfe')
  }
}
myBlog> // Find the post and its comments

myBlog> const postWithComments = db.posts.aggregate([
... {
...   $match: { title: 'First Post' },
... },
... {
...   $lookup: {
...     from: 'comments',
...     localField: '_id',
...     foreignField: 'postId',
...     as: 'comments',
...   },
... },
... ]).toArray();

myBlog>

myBlog> // Display the result

myBlog> printjson(postWithComments);
[
  {
    _id: ObjectId('656ed94199b813f5eb739cf9'),
    title: 'First Post',
    content: 'This is the content of the first post.',
    author: 'John Doe',
    createdAt: ISODate('2023-12-05T08:03:13.955Z'),

```

```

    likes: 10,
    comments: [
      {
        _id: ObjectId('656ed9fc99b813f5eb739cfd'),
        postId: ObjectId('656ed94199b813f5eb739cf9'),
        text: 'Great post!',
        author: 'Commenter1',
        createdAt: ISODate('2023-12-05T08:06:20.179Z')
      },
      {
        _id: ObjectId('656ed9fc99b813f5eb739cfe'),
        postId: ObjectId('656ed94199b813f5eb739cf9'),
        text: 'I enjoyed reading this.',
        author: 'Commenter2',
        createdAt: ISODate('2023-12-05T08:06:20.179Z')
      }
    ]
  },
  {
    _id: ObjectId('656ed9e499b813f5eb739cfc'),
    title: 'First Post',
    content: 'This is the content of the first post.',
    author: 'John Doe',
    createdAt: ISODate('2023-12-05T08:05:56.730Z'),
    likes: 0,
    comments: []
  }
]

```

```

myBlog> show collections
comments
posts
users
myBlog>

```

```
kritimkicloud@kritis-Air ~ % mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.1.0 Homebrew
```

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> show databases
-> show databases;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'databases' at line 1
mysql> exit
Bye
kritimkicloud@kritis-Air ~ % mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 8.1.0 Homebrew
```

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> show databases;
+-----+
| Database |
+-----+
| capstone |
| information_schema |
| mysql    |
| new      |
| performance_schema |
| sys      |
+-----+
6 rows in set (0.05 sec)
```

```
mysql> use mysql
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
```

```
Database changed
mysql> SHOW TABLES;
+-----+
| Tables_in_mysql |
+-----+
| columns_priv |
| component |
| db |
| default_roles |
| engine_cost |
| func |
| general_log |
| global_grants |
| gtid_executed |
| help_category |
| help_keyword |
| help_relation |
| help_topic |
| innodb_index_stats |
| innodb_table_stats |
| password_history |
| plugin |
| post |
| postlist |
| procs_priv |
| proxies_priv |
| replication_asynchronous_connection_failover |
| replication_asynchronous_connection_failover_managed |
| replication_group_configuration_version |
| replication_group_member_actions |
| role_edges |
| server_cost |
| servers |
| slave_master_info |
| slave_relay_log_info |
| slave_worker_info |
| slow_log |
| tables_priv |
| time_zone |
| time_zone_leap_second |
| time_zone_name |
| time_zone_transition |
| time_zone_transition_type |
| user |
+-----+
```

```
| usery |
+-----+
```

40 rows in set (0.01 sec)

```
mysql> DESC post
```

```
-> ;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
title	varchar(255)	NO		NULL	
description	varchar(255)	NO		NULL	
image	varchar(255)	NO		NULL	
createdAt	datetime	NO		NULL	
updatedAt	datetime	NO		NULL	

6 rows in set (0.01 sec)

```
mysql> DESC usery;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
Name	varchar(255)	NO		NULL	
email	varchar(255)	NO		NULL	
ProfileImage	varchar(255)	NO		NULL	
createdAt	datetime	NO		NULL	
updatedAt	datetime	NO		NULL	

6 rows in set (0.00 sec)

```
mysql>
```

```
mysql> select * FROM post;
```

id	title	description	image	createdAt	updatedAt
1	Location 1	One of the most popular locations!	imageUrl	2023-11-23 13:36:31	2023-11-23 13:36:31
2	Location 2	One of the highest peaks hill!	imageUrl	2023-11-23 13:37:05	2023-11-23 13:37:05
3	Location 2	One of the highest peaks hill!	https://img.freepik.com/free-photo/travelling-concept-with-group-travelers-miniature_1150-17844.jpg?w=1480&t=st=1700720566~exp=1700721166~hmac=5b9eada1f0d009c5d2f4903c972b9ce1b5199204867d321d065fdd253caba9d9	2023-12-01 10:12:26	2023-12-01 10:12:26
4	Location8	cold place		2023-12-01 13:03:47	2023-12-01 13:03:47
5	Location4	coldest place		2023-12-01 13:46:39	2023-12-01 13:46:39
6	Location11	Desert place	3456	2023-12-02 00:35:01	2023-12-02 00:35:01
7	Location9	Dese place	346	2023-12-02 02:07:32	2023-12-02 02:07:32

```
7 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM post WHERE id=2;
```

id	title	description	image	createdAt	updatedAt
2	Location 2	One of the highest peaks hill!	imageUrl	2023-11-23 13:37:05	2023-11-23 13:37:05

```
1 row in set (0.00 sec)
```

```
mysql>
```