

```
$ mysqlsh root@127.0.0.1
MySQL Shell 8.0.17-commercial
```

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Type '\help' or '\?' for help; '\quit' to exit.

Creating a session to 'root@127.0.0.1'

Fetching schema names for autocompletion... Press ^C to stop.

Your MySQL connection id is 15 (X protocol)

Server version: 8.0.17-commercial MySQL Enterprise Server - Commercial

No default schema selected; type \use <schema> to set one.

```
MySQL 127.0.0.1:33060+ ssl JS session.createSchema("workshop")
```

<Schema:workshop>

```
MySQL 127.0.0.1:33060+ ssl JS \use workshop
```

Default schema `workshop` accessible through db.

```
MySQL 127.0.0.1:33060+ ssl workshop JS db.createCollection("foods")
```

<Collection:foods>

```
MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.add({Name_First: "Bruce",
Name_Last: "Wayne", favorite_food: {Breakfast: "bagel with cream cheese", Lunch:
"hamburger with fries", Dinner: "lasagne with garlic bread"}})
```

Query OK, 1 item affected (0.0064 sec)

```
MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.find()
```

```
{
  "_id": "00005da0906400000000000027e065",
  "Name_Last": "Wayne",
  "Name_First": "Bruce",
  "favorite_food": {
    "Lunch": "hamburger with fries",
    "Dinner": "lasagne with garlic bread",
    "Breakfast": "bagel with cream cheese"
  }
}
```

1 document in set (0.0003 sec)

```
MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.find('Name_First = "Bruce"')
```

```
{
  "_id": "00005da0906400000000000027e065",
  "Name_Last": "Wayne",
  "Name_First": "Bruce",
  "favorite_food": {
    "Lunch": "hamburger with fries",
    "Dinner": "lasagne with garlic bread",
    "Breakfast": "bagel with cream cheese"
  }
}
```

1 document in set (0.0003 sec)

```
MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.find('Name_First = "Jason"')
```

Empty set (0.0004 sec)

```
MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.find('Name_First =
"Bruce").fields('favorite_food')
```

```
{
  "favorite_food": {
    "Lunch": "hamburger with fries",
    "Dinner": "lasagne with garlic bread",
    "Breakfast": "bagel with cream cheese"
  }
}
```

1 document in set (0.0003 sec)

```

MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.find('Name_First =
"Bruce").fields("favorite_food", "Name_Last")
{
  "Name_Last": "Wayne",
  "favorite_food": {
    "Lunch": "hamburger with fries",
    "Dinner": "lasagne with garlic bread",
    "Breakfast": "bagel with cream cheese"
  }
}
1 document in set (0.0003 sec)
MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.add({Name_First: "Selena",
Name_Last: "Kyle", favorite_food: {Breakfast: "bagel with cream cheese and lox", Lunch:
"Grouper sandwich", Dinner: "Fish and chips"}})
Query OK, 1 item affected (0.0021 sec)
MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.find( 'Name_First =
"Selena" ).fields( "favorite_food.Breakfast" )
{
  "favorite_food.Breakfast": "bagel with cream cheese and lox"
}
1 document in set (0.0004 sec)
MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.modify("Name_First =
'Bruce').set("favorite_food", {Lunch: "Soup in a bread bowl", Dinner: "steak and
broccoli"})
Query OK, 1 item affected (0.0014 sec)

Rows matched: 1 Changed: 1 Warnings: 0
MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.find('Name_First = "Bruce")
{
  "_id": "00005da0906400000000000027e065",
  "Name_Last": "Wayne",
  "Name_First": "Bruce",
  "favorite_food": {
    "Lunch": "Soup in a bread bowl",
    "Dinner": "steak and broccoli"
  }
}
1 document in set (0.0004 sec)
MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.find("Name_First='Selena'")
{
  "_id": "00005da0906400000000000027e066",
  "Name_Last": "Kyle",
  "Name_First": "Selena",
  "favorite_food": {
    "Lunch": "Grouper sandwich",
    "Dinner": "Fish and chips",
    "Breakfast": "bagel with cream cheese and lox"
  }
}
1 document in set (0.0004 sec)
MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.modify("Name_First =
'Selena').set('favorite_food.Dinner', 'Salmon nigiri sushi')
Query OK, 1 item affected (0.0011 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```

```
MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.find("Name_First='Selena'")
{
  "_id": "00005da09064000000000027e066",
  "Name_Last": "Kyle",
  "Name_First": "Selena",
  "favorite_food": {
    "Lunch": "Grouper sandwich",
    "Dinner": "Salmon nigiri sushi",
    "Breakfast": "bagel with cream cheese and lox"
  }
}
```

1 document in set (0.0004 sec)

```
MySQL 127.0.0.1:33060+ ssl workshop JS var schema = session.getSchema('workshop')
MySQL 127.0.0.1:33060+ ssl workshop JS var collection =
schema.getCollection('foods')
```

```
MySQL 127.0.0.1:33060+ ssl workshop JS collection.modify("Name_First =
'Selena').patch({ Name_Middle: 'Kitty' })
Query OK, 1 item affected (0.0038 sec)
```

Rows matched: 1 Changed: 1 Warnings: 0

```
MySQL 127.0.0.1:33060+ ssl workshop JS db.foods.find('Name_First = "Selena"')
{
  "_id": "00005da09064000000000027e066",
  "Name_Last": "Kyle",
  "Name_First": "Selena",
  "Name_Middle": "Kitty",
  "favorite_food": {
    "Lunch": "Grouper sandwich",
    "Dinner": "Salmon nigiri sushi",
    "Breakfast": "bagel with cream cheese and lox"
  }
}
```

1 document in set (0.0004 sec)

```
MySQL 127.0.0.1:33060+ ssl workshop JS
```