```
test> use PWSKILLS
switched to db PWSKILLS
PWSKILLS> sow collections
Uncaught:
SyntaxError: Missing semicolon. (1:3)
> 1 | sow collections
  | ^
2 |
PWSKILLS> show collections
PWSKILLS> db,.createCollection("Employees")
Uncaught:
SyntaxError: Unexpected token (1:3)
> 1 | db,.createCollection("Employees")
  | ^
2 |
PWSKILLS> db.createCollection("Employees")
{ ok: 1 }
PWSKILLS> db.Employees.insertMany([{name: "Sameeksha
Sharma",ip:"123.12.34.45",role:"developer",salary:1000000},{name:"Sanjay
Sharma",ip:"123.45.56.78",role:"CEO",salary:10000000},{name:"Kalpana
Sharma",ip:"125.90.67.45",role:"HR",salary:5000000}])
{
acknowledged: true,
insertedIds: {
  '0': ObjectId('66b749ce86a30db6c5a163f3'),
  '1': ObjectId('66b749ce86a30db6c5a163f4'),
```

```
'2': ObjectId('66b749ce86a30db6c5a163f5')
}
}
PWSKILLS> show collections
Employees
PWSKILLS> db.Employees.find()
[
{
PWSKILLS>
  name: 'Sameeksha Sharma',
  ip: '123.12.34.45',
  role: 'developer',
  salary: 1000000
},
  _id: ObjectId('66b749ce86a30db6c5a163f4'),
  name: 'Sanjay Sharma',
  ip: '123.45.56.78',
  role: 'CEO',
  salary: 10000000
},
{
  _id: ObjectId('66b749ce86a30db6c5a163f5'),
  name: 'Kalpana Sharma',
  ip: '125.90.67.45',
  role: 'HR',
 salary: 5000000
}
PWSKILLS> db.Employees.drop()
true
```

## **PWSKILLS>** show collections

```
PWSKILLS> use test
switched to db test
test> shows dbs
Uncaught:
SyntaxError: Missing semicolon. (1:5)
> 1 | shows dbs
 | ^
2 |
test> show dbs
admin 40.00 KiB
config 108.00 KiB
db
      72.00 KiB
local 80.00 KiB
mongo_db 40.00 KiB
newdb 72.00 KiB
test> use PWSKILLS
switched to db PWSKILLS
PWSKILLS> db.dropDatabase()
{ ok: 1, dropped: 'PWSKILLS' }
test> db.createCollection("Customers")
{ ok: 1 }
test> show dbs
```

admin 40.00 KiB

```
config 108.00 KiB
db
       72.00 KiB
local 80.00 KiB
mongo_db 40.00 KiB
newdb
        72.00 KiB
test
       8.00 KiB
test>
db.Customers.insertMany([{name:"sameeksha",cus_id:"1",mob_no:1234485750},{name:"kalpana",c
us_id:"2",mob_no:3456789072},{name:"sanjay",cus_id:"3",mob_no:5678901245}])
 acknowledged: true,
insertedIds: {
  '0': ObjectId('66b74e62875a83fb4de8f3fa'),
  '1': ObjectId('66b74e62875a83fb4de8f3fb'),
  '2': ObjectId('66b74e62875a83fb4de8f3fc')
}
}
test> db.Customers.find()
[
  _id: ObjectId('66b74e62875a83fb4de8f3fa'),
  name: 'sameeksha',
  cus_id: '1',
  mob_no: 1234485750
},
  _id: ObjectId('66b74e62875a83fb4de8f3fb'),
  name: 'kalpana',
  cus_id: '2',
  mob_no: 3456789072
},
{
```

```
_id: ObjectId('66b74e62875a83fb4de8f3fc'),
  name: 'sanjay',
  cus_id: '3',
  mob_no: 5678901245
}
]
test> db.Customers.updateOne({mob_no:1234485750},{$set:{mob_no:00000000}})
{
acknowledged: true,
insertedId: null,
matchedCount: 1,
modifiedCount: 1,
upsertedCount: 0
}
test> db.Customers.find()
[
  _id: ObjectId('66b74e62875a83fb4de8f3fa'),
  name: 'sameeksha',
  cus_id: '1',
  mob_no: 0
},
  _id: ObjectId('66b74e62875a83fb4de8f3fb'),
  name: 'kalpana',
  cus_id: '2',
  mob_no: 3456789072
},
  _id: ObjectId('66b74e62875a83fb4de8f3fc'),
  name: 'sanjay',
```

```
cus_id: '3',
  mob_no: 5678901245
}
]
test> db.Employees.find({cus_id:"2"})
test> db.Employees.find({name:"sameeksha"})
test> db.Employees.find({"name":"sameeksha"})
test> db.Customers.find({"name":"sameeksha"})
[
  _id: ObjectId('66b74e62875a83fb4de8f3fa'),
  name: 'sameeksha',
  cus_id: '1',
  mob_no: 0
}
]
test> db.Customers.find({"cus_id":{$gt:3}})
test> db.Customers.find({cus_id:{$gt:1}})
test> db.Customers.drop()
true
test> use SchoolDB
switched to db SchoolDB
SchoolDB> db.createCollection("Students")
{ ok: 1 }
SchoolDB>
db.Students.insertMany([{name:"sam",age:19,grade:c},{name:"uttu",age:19:grade:D},{name:"chabi",
age:45,grade:F}]
```

```
Uncaught:
SyntaxError: Unexpected token, expected "," (1:71)
>1|
db.Students.insertMany([{name:"sam",age:19,grade:c},{name:"uttu",age:19:grade:D},{name:"chabi",
age:45,grade:F}]
  2 |
SchoolDB>
db.insertMany([{name:"sam",age:19,grade:D},{name:"uttu",age:19,grade:D},name:"chabi",age:45,gr
ade:F}])
Uncaught:
SyntaxError: Unexpected token, expected "," (1:76)
db.insertMany([{name:"sam",age:19,grade:D},{name:"uttu",age:19,grade:D},name:"chabi",age:45,gr
ade:F}])
  I
                                            ٨
 2 |
SchoolDB> db.Students.insertMany([{name:"sam",age:19,grade:D},{name:"uttu",age:19,grade:D}])
ReferenceError: D is not defined
SchoolDB>
dn.Students.insertMany([{name:"sam",age:19,grade:"A"},{name:"uttu",age:19,grade:"B"},{name:"di
ana",age:29,grade:"C"}])
ReferenceError: dn is not defined
SchoolDB>
db.Students.insertMany([{name:"sam",age:19,grade:"A"},{name:"uttu",age:20,grade:"A+"},{name:"d
iana",age:18,grade:"C"}])
{
 acknowledged: true,
insertedIds: {
  '0': ObjectId('66b75825875a83fb4de8f3fd'),
```

```
'1': ObjectId('66b75825875a83fb4de8f3fe'),
  '2': ObjectId('66b75825875a83fb4de8f3ff')
}
}
SchoolDB> db.Students.find()
[
{
  _id: ObjectId('66b75825875a83fb4de8f3fd'),
  name: 'sam',
  age: 19,
 grade: 'A'
},
  _id: ObjectId('66b75825875a83fb4de8f3fe'),
  name: 'uttu',
  age: 20,
 grade: 'A+'
},
  _id: ObjectId('66b75825875a83fb4de8f3ff'),
  name: 'diana',
  age: 18,
 grade: 'C'
}
]
SchoolDB> db.Students.find({"grade":"A"})
[
  _id: ObjectId('66b75825875a83fb4de8f3fd'),
  name: 'sam',
  age: 19,
```

```
grade: 'A'
}
]
SchoolDB> db.Students.find({age:{$gt:18}})
[
{
  _id: ObjectId('66b75825875a83fb4de8f3fd'),
  name: 'sam',
  age: 19,
  grade: 'A'
},
  _id: ObjectId('66b75825875a83fb4de8f3fe'),
  name: 'uttu',
  age: 20,
 grade: 'A+'
}
]
SchoolDB> db.Students.update({"name":"sam"},{$set{"name":"sameeksha"}})
Uncaught:
SyntaxError: Unexpected token, expected "," (1:39)
> 1 | db.Students.update({"name":"sam"},{$set{"name":"sameeksha"}})
  I
2 |
SchoolDB> db.Students.update({"name":"sam"},{$set:{"name":"sameeksha"}})
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
 acknowledged: true,
insertedId: null,
```

```
matchedCount: 1,
modifiedCount: 1,
upsertedCount: 0
}
SchoolDB> db.Students.updateOne({"name":"sam"},{$set:{"name":"sameeksha"}})
{
acknowledged: true,
insertedId: null,
matchedCount: 0,
modifiedCount: 0,
upsertedCount: 0
}
SchoolDB> db.Students.find()
[
  _id: ObjectId('66b75825875a83fb4de8f3fd'),
  name: 'sameeksha',
  age: 19,
 grade: 'A'
},
  _id: ObjectId('66b75825875a83fb4de8f3fe'),
  name: 'uttu',
  age: 20,
  grade: 'A+'
},
  _id: ObjectId('66b75825875a83fb4de8f3ff'),
  name: 'diana',
  age: 18,
  grade: 'C'
```

```
}
]
SchoolDB> show dbs
SchoolDB 56.00 KiB
admin 40.00 KiB
config 108.00 KiB
db
       72.00 KiB
local
       80.00 KiB
mongo_db 40.00 KiB
newdb
        72.00 KiB
SchoolDB> db.createCollections("Teachers")
TypeError: db.createCollections is not a function
SchoolDB> show collections
Students
SchoolDB> db.createCollection("Teachers")
{ ok: 1 }
SchoolDB>
db.Teachers.insertMany([{name:"savita",subject:"maths",experience:5},{name:"mosami",subject:"co
mputer":experience:8},{name:"niharika",subject:"hindi",experience:6}])
Uncaught:
SyntaxError: Unexpected token, expected "," (1:102)
>1|
db.Teachers.insertMany([{name:"savita",subject:"maths",experience:5},{name:"mosami",subject:"co
mputer":experience:8},{name:"niharika",subject:"hindi",experience:6}])
                                                          ٨
  I
 2 |
SchoolDB>
db.Teachers.insertMany([{name:"savita",subject:"maths",experience:5},{name:"mosami",subject:"hi
ndi",experience:8}])
{
 acknowledged: true,
```

```
insertedIds: {
  '0': ObjectId('66b75c7d875a83fb4de8f400'),
  '1': ObjectId('66b75c7d875a83fb4de8f401')
}
}
SchoolDB> db.Teachers.find()
[
{
  _id: ObjectId('66b75c7d875a83fb4de8f400'),
  name: 'savita',
  subject: 'maths',
  experience: 5
},
  _id: ObjectId('66b75c7d875a83fb4de8f401'),
  name: 'mosami',
  subject: 'hindi',
  experience: 8
}
]
SchoolDB> db.Teachers.find({subject:"maths"})
[
  _id: ObjectId('66b75c7d875a83fb4de8f400'),
  name: 'savita',
  subject: 'maths',
  experience: 5
}
SchoolDB> db.Teachers.find({experience:{$gt:4}})
[
```

```
{
  _id: ObjectId('66b75c7d875a83fb4de8f400'),
  name: 'savita',
  subject: 'maths',
  experience: 5
},
{
  _id: ObjectId('66b75c7d875a83fb4de8f401'),
  name: 'mosami',
  subject: 'hindi',
  experience: 8
}
]
SchoolDB> db.Teachers.updateOne({experiece:8},{$set:{experience:6}})
SchoolDB>
acknowledged: true,
insertedId: null,
matchedCount: 0,
modifiedCount: 0,
upsertedCount: 0
}
SchoolDB> db.Teachers.find()
[
  _id: ObjectId('66b75c7d875a83fb4de8f400'),
  name: 'savita',
  subject: 'maths',
  experience: 5
},
  _id: ObjectId('66b75c7d875a83fb4de8f401'),
```

```
name: 'mosami',
  subject: 'hindi',
  experience: 8
}
]
SchoolDB> db.Teachers.updateOne({experience:8},{$set:{experience:6}})
{
acknowledged: true,
insertedId: null,
matchedCount: 1,
modifiedCount: 1,
upsertedCount: 0
}
SchoolDB> db.Teachers.find()
[
  _id: ObjectId('66b75c7d875a83fb4de8f400'),
  name: 'savita',
  subject: 'maths',
  experience: 5
},
{
  _id: ObjectId('66b75c7d875a83fb4de8f401'),
  name: 'mosami',
  subject: 'hindi',
  experience: 6
}
]
SchoolDB> show collections
```

Students

```
CHOOLDBY do. reachers. Linu()
           _id: ObjectId( 66b75c7d875a83fb4de
           name: 'savita',
           subject: 'maths',
           experience: 5
           _id: ObjectId('66b75c7d875a83fb4de8
           name: 'mosami',
           subject: 'hindi',
           experience: 6
       SchoolDB> show collections
       Students
       Teachers
       SchoolDB>
Teachers
 experience: 5
 _id: ObjectId('66b75c7d875a83fb4de8f401'),
 name: 'mosami'
 subject: 'hindi',
 experience: 8
noolDB> db.Teachers.updateOne({experience:8},{$set:{experience:6}})
acknowledged: true,
insertedId: null,
natchedCount: 1,
nodifiedCount: 1,
upsertedCount: 0
noolDB> db.Teachers.find()
 _id: ObjectId('66b75c7d875a83fb4de8f400'),
 name: 'savita',
 subject: 'maths',
 experience: 5
```

\_id: ObjectId('66b75c7d875a83fb4de8f401'),

name: 'mosami', subject: 'hindi'

```
SchoolDB> db.Teachers.find({experience:{$gt:4}})
    _id: ObjectId('66b75c7d875a83fb4de8f400'),
    name: 'savita',
    subject: 'maths',
    experience: 5
    _id: ObjectId('66b75c7d875a83fb4de8f401'),
    name: 'mosami'
    subject: 'hindi',
    experience: 8
SchoolDB> db.Teachers.updateOne({experiece:8},{$set:{experience:6}})
SchoolDB>
  acknowledged: true,
  insertedId: null,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 0
SchoolDB> db.Teachers.find()
    _id: ObjectId('66b75c7d875a83fb4de8f400'),
    name: 'savita',
subject: 'maths',
    experience: 5
```

```
. Objectia(
choolDB> db.Teachers.find()
      _id: ObjectId('66b75c7d875a83fb4de8f400'),
     name: 'savita',
      subject: 'maths',
      experience: 5
      _id: ObjectId('66b75c7d875a83fb4de8f401'),
      name: 'mosami'
      subject: 'hindi',
      experience: 8
choolDB> db.Teachers.find({subject:"maths"})
      _id: ObjectId('66b75c7d875a83fb4de8f400'),
      name: 'savita',
      subject: 'maths',
      experience: 5
  }
schoolDB> db.Teachers.find({experience:{$gt:4}})
  {
       id: ObjectId('66b75c7d875a83fb4de8f400'),
      name: 'savita',
      cubject.
choolDB> show dbs
choolDB 56.00 KiB
ddin 40.00 KiB
onfig 108.00 KiB
b 72.00 KiB
ocal 80.00 KiB
iongo_db 40.00 KiB
iongo_db 40.00 KiB
iongo_db 40.00 KiB
Students
SchoolDB> db.createCollection("Teachers")
choolDB> db.dreachers.insertMany([{name:"savita",subject:"maths",experience:5},{name:"mosami",subject:"computer":experience:8},{name:"n.harika",subject:"hindi",experience:6}])
incaught:
yyntaxError: Unexpected token, expected "," (1:102)
 1 | db.Teachers.insertMany([{name:"savita",subject:"maths",experience:5},{name:"mosami",subject:"computer":experience:8},{name:"niharka",subject:"hindi",experience:6}])
choolDB> db.Teachers.insertMany([{name:"savita",subject:"maths",experience:5},{name:"mosami",subject:"hindi",experience:8}])
 acknowledged: true,
insertedIds: {
   '0': ObjectId('66b75c7d875a83fb4de8f400'),
   '1': ObjectId('66b75c7d875a83fb4de8f401')
```

```
SchoolDB> db.Students.updateOne({"name":"sam"},{$set:{"name":"sameeksha"}})
 acknowledged: true,
 insertedId: null,
 matchedCount: 0,
 modifiedCount: 0,
 upsertedCount: 0
SchoolDB> db.Students.find()
    _id: ObjectId('66b75825875a83fb4de8f3fd'),
   name: 'sameeksha',
    age: 19,
grade: 'A'
    _id: ObjectId('66b75825875a83fb4de8f3fe'),
    name: 'uttu',
    age: 20,
    grade: 'A+'
    _id: ObjectId('66b75825875a83fb4de8f3ff'),
    name: 'diana',
   age: 18,
grade: 'C'
SchoolDB> show dbs
SchoolDB
         56.00 KiB
admin
          40.00 KiB
```

```
SchoolDB> db.Students.find({age:{$gt:18}})
     _id: ObjectId('66b75825875a83fb4de8f3fd'),
    name: 'sam',
    age: 19,
grade: 'A'
    _id: ObjectId('66b75825875a83fb4de8f3fe'),
    name: 'uttu',
    age: 20,
grade: 'A+'
SchoolDB> db.Students.update({"name":"sam"},{$set{"name":"sameeksha"}})
 SyntaxError: Unexpected token, expected "," (1:39)
      db.Students.update({"name":"sam"},{$set{"name":"sameeksha"}})
SchoolDB> db.Students.update({"name":"sam"},{$set:{"name":"sameeksha"}})
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
```

```
SchoolDB> db.Students.find()
              id: ObjectId('66b75825875a83fb4de8f3fd'),
           name: 'sam',
           age: 19,
           grade: 'A'
             _id: ObjectId('66b75825875a83fb4de8f3fe'),
           name: 'uttu',
           age: 20,
           grade: 'A+'
            _id: ObjectId('66b75825875a83fb4de8f3ff'),
           name: 'diana',
           age: 18,
           grade: 'C'
SchoolDB> db.Students.find({"grade":"A"})
             _id: ObjectId('66b75825875a83fb4de8f3fd'),
           name: 'sam',
           age: 19,
           grade: 'A'
SchoolDB> db.Students.find({age:{$gt:18}})
test> use SchoolDB
  choolDB> db.createCollection("Students")
 ( ok: 1 }
schoolDB> db.Students.insertMany([{name:"sam",age:19,grade:c},{name:"uttu",age:19:grade:D},{name:"chabi",age:45,grade:F}]
Uncaught:
   //ntaxError: Unexpected token, expected "," (1:71)
    1 | db.Students.insertMany([{name:"sam",age:19,grade:c},{name:"uttu",age:19:grade:D},{name:"chabi",age:45,grade:F}]
  choolDB> db.insertMany([{name:"sam",age:19,grade:D},{name:"uttu",age:19,grade:D},name:"chabi",age:45,grade:F}])
      ntaxError: Unexpected token, expected "," (1:76)
           \label{localization} $$ db.insertMany([\{name: "sam",age:19,grade:D\},\{name: "uttu",age:19,grade:D\},name: "chabi",age:45,grade:F\}]) $$ $$ db.insertMany([\{name: "sam",age:45,grade:F\}]) $$ $$ $$ de:F$ $$ for the property of 
  choolDB> db.Students.insertMany([{name:"sam",age:19,grade:D},{name:"uttu",age:19,grade:D}])
  choolDB> dn.Students.insertMany([{name:"sam",age:19,grade:"A"},{name:"uttu",age:19,grade:"B"},{name:"diana",age:29,grade:"C"}])
                            r: dn is not defined
  choolDB> db.Students.insertMany([{name:"sam",age:19,grade:"A"},{name:"uttu",age:20,grade:"A+"},{name:"diana",age:18,grade:"C"}])
    acknowledged: true,
insertedIds: {
  '0': ObjectId('66b75825875a83fb4de8f3fd'),
          1': ObjectId('66b75825875a83fb4de8f3fe'),
2': ObjectId('66b75825875a83fb4de8f3ff')
```

```
upserteacount: 0
cest> db.Customers.find()
   _id: ObjectId('66b74e62875a83fb4de8f3fa'),
   name: 'sameeksha',
   cus_id: '1',
   mob no: 0
   _id: ObjectId('66b74e62875a83fb4de8f3fb'),
   name: 'kalpana',
   cus_id: '2',
mob_no: 3456789072
   _id: ObjectId('66b74e62875a83fb4de8f3fc'),
   name: 'sanjay',
   cus_id: '3',
mob_no: 5678901245
cest> db.Employees.find({cus_id:"2"})
rest> db.Employees.find({name:"sameeksha"})
cest> db.Employees.find({"name":"sameeksha"})
cest> db.Customers.find({"name":"sameeksha"})
   _id: ObjectId('66b74e62875a83fb4de8f3fa'),
   name: 'sameeksha',
   cus_id: '1',
   mob_no: 0
cest> db.Customers.find({"cus_id":{$gt:3}})
test> db.Customers.find({cus_id:{$gt:1}})
est> db.Customers.drop()
```

```
The server generated these startup warnings when booting
2024-08-06T16:57:39.739+05:30: Access control is not enabled for the database. Read and write access to data and configuration is un
   estricted
est> d0:

ok: 1 }

est> show dbs

idmin 40.00 KiB

onfig 108.00 KiB

b 72.00 KiB

40.00 KiB

40.00 KiB
  iongo_db
ewdb
               40.00 KiB
72.00 KiB
  endo 72:00 NEB
est 8.00 NEB
est> db.Customers.insertMany([{name:"sameeksha",cus_id:"1",mob_no:1234485750},{name:"kalpana",cus_id:"2",mob_no:3456789072},{name:"san
ay",cus_id:"3",mob_no:5678901245}])
  est
   acknowledged: true,
insertedIds: {
   '0': ObjectId('66b74e62875a83fb4de8f3fa'),
                                                                                                                                                      mob_no: 1234485750
      _id: ObjectId('66b74e62875a83fb4de8f3fb'),
     name: 'kalpana',
cus_id: '2',
mob_no: 3456789072
      _id: ObjectId('66b74e62875a83fb4de8f3fc'),
     name: 'sanjay',
cus_id: '3',
mob_no: 5678901245
  }
test> db.Customers.insertMany([{name
jay",cus_id:"3",mob_no:5678901245}])
     acknowledged: true,
     insertedIds: {
        '0': ObjectId('66b74e62875a83fb4de8f3fa'),
'1': ObjectId('66b74e62875a83fb4de8f3fb'),
'2': ObjectId('66b74e62875a83fb4de8f3fc')
 test> db.Customers.find()
         _id: ObjectId('66b74e62875a83fb4de8f3fa'),
       name: 'sameeksha',
cus_id: '1',
mob_no: 1234485750
       _id: ObjectId('66b74e62875a83fb4de8f3fb'),
name: 'kalpana',
cus_id: '2',
mob_no: 3456789072
          _id: ObjectId('66b74e62875a83fb4de8f3fc'),
        name: 'sanjay',
        cus_id: '3
        mob_no: 5678901245
 test> db.Customers.updateOne({mob_no:1234485750},
```