

```

mongo_exercise> db.movies.insert({"title":"Fight Club", "writer":"Chuck Palahniuk", "year": 1999, "actors":["Brand Pitt", "Edward Norton"]})
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('65e9cd16d99a696848d9e2e6') }
}
mongo_exercise> db.movies.find()
[
  {
    _id: ObjectId('65e9cd16d99a696848d9e2e6'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  }
]

```

```

mongo_exercise> db.movies.insert({"title":"Pulp Fiction", "writer":"Quentin Tarantino", "year": 1994, "actors":["Brand Pitt", "Edward Norton"]})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('65e9ce82d99a696848d9e2e7') }
}
mongo_exercise> db.movies.find()
[
  {
    _id: ObjectId('65e9cd16d99a696848d9e2e6'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('65e9ce82d99a696848d9e2e7'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  }
]

```

```

mongo_exercise> db.movies.insert({"title":"Pulp Fiction", "writer":"Quentin Tarantino", "year": 1994, "actors":["Brand Pitt", "Edward Norton"]})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('65e9ce82d99a696848d9e2e7') }
}
mongo_exercise> db.movies.find()
[
  {
    _id: ObjectId('65e9cd16d99a696848d9e2e6'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('65e9ce82d99a696848d9e2e7'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  }
]

```

```

mongo_exercise> db.movies.insert({"title":"Pulp Fiction", "writer":"Quentin Tarantino", "year": 1994, "actors":["Brand Pitt", "Edward Norton"]})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('65e9ce82d99a696848d9e2e7') }
}
mongo_exercise> db.movies.find()
[
  {
    _id: ObjectId('65e9cd16d99a696848d9e2e6'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('65e9ce82d99a696848d9e2e7'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  }
]

```

```

mongo_exercise> db.movies.insert({"title":"Inglorious Basterds", "writer":"Quentin Tarantino", "year": 2009, "actors":["Brad Pitt","Diane Kruger", "Eli Roth"]})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('65e9cf28d99a696848d9e2e8') }
}
mongo_exercise> db.movies.find()
[
  {
    _id: ObjectId('65e9cd16d99a696848d9e2e6'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('65e9ce82d99a696848d9e2e7'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('65e9cf28d99a696848d9e2e8'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  }
]

```

```
mongo_exercise> db.movies.insert({"title":"The Hobbit: An Unexpected Journey", "writer":"J.R.R. Tolkein",
, "year": 2012, "franchise": "The Hobbit"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('65e9d20fd99a696848d9e2e9') }
}
mongo_exercise> db.movies.find()
[
  {
    _id: ObjectId('65e9cd16d99a696848d9e2e6'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('65e9ce82d99a696848d9e2e7'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('65e9cf28d99a696848d9e2e8'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  },
  {
    _id: ObjectId('65e9d20fd99a696848d9e2e9'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  }
]
mongo_exercise> 
```

```

mongo_exercise> db.movies.insert({"title":"The Hobbit: The Desolation of Smaug", "writer":"J.R.R. Tolkein", "year": 2013, "franchise": "The Hobbit"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('65e9d27fd99a696848d9e2ea') }
}
mongo_exercise> db.movies.find()
[
  {
    _id: ObjectId('65e9cd16d99a696848d9e2e6'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('65e9ce82d99a696848d9e2e7'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('65e9cf28d99a696848d9e2e8'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  },
  {
    _id: ObjectId('65e9d20fd99a696848d9e2e9'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId('65e9d27fd99a696848d9e2ea'),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: 2013,
    franchise: 'The Hobbit'
  }
]
mongo_exercise>

```

```

mongo_exercise> db.movies.insert({"title":"The Hobbit: The Battle of the Five Armies", "writer":"J.R.R. Tolkein", "year": 2012, "franchise": "The Hobbit"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('65e9d2ecd99a696848d9e2eb') }
}
mongo_exercise>

```

```

mongo_exercise> db.movies.insert({"title":"The Hobbit: The Battle of the Five Armies", "writer":"J.R.R. Tolkein", "year": 2012, "franchise": "The Hobbit", "synopsis":"Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness."})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('65e9d4aed99a696848d9e2ec') }
}
mongo_exercise>

```

```
mongo_exercise> db.movies.insert({"title":"Pee Wee Herman's Big Adventure"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('65e9d4f1d99a696848d9e2ed') }
}
```

```
mongo_exercise> db.movies.insert({"title":"Avatar"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('65e9d515d99a696848d9e2ee') }
}
mongo_exercise> _
```

Consultas generales

```
mongo_exercise> db.movies.find()
[
  {
    _id: ObjectId('65e9cd16d99a696848d9e2e6'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('65e9ce82d99a696848d9e2e7'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('65e9cf28d99a696848d9e2e8'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  },
  {
    _id: ObjectId('65e9d20fd99a696848d9e2e9'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId('65e9d27fd99a696848d9e2ea'),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId('65e9d2ecd99a696848d9e2eb'),
    title: 'The Hobbit: The Battle of the Five Armies',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
```

```

    _id: ObjectId('65e9d4aed99a696848d9e2ec'),
    title: 'The Hobbit: The Battle of the Five Armies',
    writer: 'J.R.R. Tolkien',
    year: 2012,
    franchise: 'The Hobbit',
    synopsis: 'Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness.'
  },
  {
    _id: ObjectId('65e9d4f1d99a696848d9e2ed'),
    title: "Pee Wee Herman's Big Adventure"
  },
  { _id: ObjectId('65e9d515d99a696848d9e2ee'), title: 'Avatar' }

```

Obtener documentos con `writer` igual a "Quentin Tarantino"

```

mongo_exercise> db.movies.find({writer:{$eq:'Quentin Tarantino'}})
[
  {
    _id: ObjectId('65e9ce82d99a696848d9e2e7'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'Brand Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('65e9cf28d99a696848d9e2e8'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  }
]
mongo_exercise>

```

. Obtener documentos con `actors` que incluyan a "Brad Pitt"

```

mongo_exercise> db.movies.find({actors:{$eq:'Brad Pitt'}})
[
  {
    _id: ObjectId('65e9cd16d99a696848d9e2e6'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: 'Brad Pitt'
  },
  {
    _id: ObjectId('65e9ce82d99a696848d9e2e7'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: 'Brad Pitt'
  },
  {
    _id: ObjectId('65e9cf28d99a696848d9e2e8'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  }
]
mongo_exercise>

```

Obtener todas las películas de los 90s

```

mongo_exercise> db.movies.find({year:{$lt:2000}})
[
  {
    _id: ObjectId('65e9cd16d99a696848d9e2e6'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: 'Brad Pitt'
  },
  {
    _id: ObjectId('65e9ce82d99a696848d9e2e7'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: 'Brad Pitt'
  }
]
mongo_exercise>

```

Obtener las películas estrenadas entre el año 2000 y 2010.


```

mongo_exercise> db.movies.find({$and:[{year:{$gte:2000}}, {year:{$lte:2010}}]}
[
  {
    _id: ObjectId('65e9cf24b9e5f23f80ec40e0'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  }
]

```

1. Agregar sinopsis a "The Hobbit: An Unexpected Journey" : " Un hobbit reacio, Bilbo Bolsón, se dirige a la Montaña Solitaria con un grupo de enanos enérgicos para recuperar su hogar en la montaña (y el oro que contiene) del dragón Smaug.."

```

mongo_exercise> db.movies.update({title:'The Hobbit: An Unexpected Journey'},{$set:{synopsis:"Un hobbit reacio, Bilbo Bolson, se dirige a la Montaña Solitaria con un grupo de enanos energicos para recuperar su hogar en la montaña(y el oro que contiene) del dragon Smaug.."}})
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
mongo_exercise>

```

2. Agregar sinopsis a "The Hobbit: The Desolation of Smaug" : " Un valiente hobbit, se enfrenta a las fuerzas oscuras del mal - from the dragon Smaug."

```

mongo_exercise> db.movies.update({title:'The Hobbit: The Desolation of Smaug'},{$set:{synopsis:"Un valiente hobbit, se enfrenta a las fuerzas oscuras del mal - from the dragon Smaug.."}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
mongo_exercise>

```

3. Agregar una actor llamado "Samuel L. Jackson" a la película "Pulp Fiction"

```

mongo_exercise> db.movies.update({title:'Pulp Fiction'},{$set:{actors:'Samuel L. Jackson'}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
mongo_exercise>

```

1. Encontrar las películas que en la sinopsis contengan la palabra "Bilbo"

```

mongo_exercise> db.movies.find({synopsis:/Bilbo/})
[ { acknowledged: true,
  {insertedId: null,
    _id: ObjectId('65e9d20fd99a696848d9e2e9'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkien',
    year: 2012,
    franchise: 'The Hobbit',nd()
    synopsis: 'Un hobbit reacio, Bilbo Bolson, se dirige a la Montaña Solitaria con un grupo de enanos e
nergicos para recuperar su hogar en la montaña(y el oro que contiene) del dragon Smaug..'
  },_id: ObjectId('65e9cd16d99a696848d9e2e6'),
    { title: 'Fight Club',
      _id: ObjectId('65e9d4aed99a696848d9e2ec'),
      title: 'The Hobbit: The Battle of the Five Armies',
      writer: 'J.R.R. Tolkien',
      year: 2012,
      franchise: 'The Hobbit',
      synopsis: 'Bilbo and Company are forced to engage in a war against an array of combatants and keep t
he Lonely Mountain from falling into the hands of a rising darkness.'
    },writer: 'Quentin Tarantino',
    { year: 1994,
      _id: ObjectId('65e9dc1fd99a696848d9e2ef'),
      title: 'The Hobbit: An Unexpected Journey',
      writer: 'J.R.R. Tolkien',
      year: 2012,Id('65e9cf28d99a696848d9e2e8'),
      franchise: 'The Hobbit',rds',
      synopsis: 'Un hobbit reacio, Bilbo Bolson, se dirige a la Montaña Solitaria con un grupo de enanos e
nergicos para recuperar su hogar en la montaña(y el oro que contiene) del dragon Smaug..'
    } actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  }
]

```

Obtener documentos con `franchise` igual a "The Hobbit"

```

mongo_exercise> db.movies.find({franchise:{$eq:'The Hobbit'}})
[
  {
    _id: ObjectId('65e9d20fd99a696848d9e2e9'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId('65e9d27fd99a696848d9e2ea'),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId('65e9d2ecd99a696848d9e2eb'),
    title: 'The Hobbit: The Battle of the Five Armies',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId('65e9d4aed99a696848d9e2ec'),
    title: 'The Hobbit: The Battle of the Five Armies',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit',
    synopsis: 'Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness.'
  }
]
mongo_exercise>

```

2. Encontrar las películas que en la sinopsis contengan la palabra "Gandalf"

```

mongo_exercise> db.movies.find({synopsis:/Gandalf/})

```

3. Encontrar las películas que en la sinopsis contengan la palabra "Bilbo" y no la palabra "Gandalf"

```

mongo_exercise> db.movies.find({synopsis:/Bilbo/})
[
  {
    _id: ObjectId('65e9d0e7b9e5f23f80ec40e1'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit',
    synopsis: 'Un hobbit reacio, Bilbo Bolsón, se dirige a la Montaña Solitaria con un grupo de enanos enérgicos para recuperar su hogar en la montaña (y el oro que contiene) del dragón Smaug..'
  },
  {
    _id: ObjectId('65e9d17cb9e5f23f80ec40e3'),
    title: 'The Hobbit: The Battle of the Five Armies',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit',
    synopsis: 'Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness.'
  }
]

```

4. Encontrar las películas que en la sinopsis contengan la palabra "dwarves" o "hobbit"

```

mongo_exercise> db.movies.find({$or:[{synopsis:/dwarves/},{synopsis:/hobbit/}]}
[
  {
    _id: ObjectId('65e9d0e7b9e5f23f88ec40e1'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R Tolkien',
    year: 2012,
    franchise: 'The Hobbit',
    synopsis: ' Un hobbit reacio, Bilbo Bolsón, se dirige a la Montaña Solitaria con un grupo de enanos
s enérgicos para recuperar su hogar en la montaña (y el oro que contiene) del dragón Smaug..'
  },
  {
    _id: ObjectId('65e9d127b9e5f23f88ec40e2'),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R Tolkien',
    year: 2013,
    franchise: 'The Hobbit',
    synopsis: ' Un valiente hobbit, se enfrenta a las fuerzas oscuras del mal - from the dragon Smaug.
  },
]

```

5. Encontrar las películas que en la sinopsis contengan la palabra "gold" y "dragon"

```

mongo_exercise> db.movies.find({$and:[{synopsis:/gold/},{synopsis:/dragon/}]}

```

6. Encontrar las películas que en su sinopsis contengan la palabra hobbit, pero no Bilbo.

```

mongo_exercise> db.movies.find({ $and: [ { synopsis: /hobbit/ } , { synopsis: { $not:/Bilbo/ } } ] })
[
  {
    _id: ObjectId('65e9d127b9e5f23f88ec40e2'),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R Tolkien',
    year: 2013,
    franchise: 'The Hobbit',
    synopsis: ' Un valiente hobbit, se enfrenta a las fuerzas oscuras del mal - from the dragon Smaug.'
  }
]

```

7. Mostrar las películas que se han creado del 2012 al 2013

```

mongo_exercise> db.movies.find({ $and: [ { year: { $gte: 2012 } }, { year: { $lte: 2013 } } ] })
[
  {
    _id: ObjectId('65e9d0e7b9e5f23f88ec40e1'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R Tolkien',
    year: 2012,
    franchise: 'The Hobbit',
    synopsis: ' Un hobbit reacio, Bilbo Bolsón, se dirige a la Montaña Solitaria con un grupo de enanos enérgicos para r
ecuperar su hogar en la montaña (y el oro que contiene) del dragón Smaug..'
  },
  {
    _id: ObjectId('65e9d127b9e5f23f88ec40e2'),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R Tolkien',
    year: 2013,
    franchise: 'The Hobbit',
    synopsis: ' Un valiente hobbit, se enfrenta a las fuerzas oscuras del mal - from the dragon Smaug.'
  },
  {
    _id: ObjectId('65e9d17cb9e5f23f88ec40e3'),
    title: 'The Hobbit: The Battle of the Five Armies',
    writer: 'J.R.R Tolkien',
    year: 2012,
    franchise: 'The Hobbit',
    synopsis: 'Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mounta
in from falling into the hands of a rising darkness.'
  }
]

```

8. Mostrar las películas en las que actúa Brad Pitt, pero que no sean del 2009

```
mongo_exercise> db.movies.find({ actors: "Brad Pitt", year: { $ne: 2009 } })
[
  {
    _id: ObjectId('65e9ccbb9e5f23f80ec40de'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  }
]
```

// Eliminar Documentos

1. Eliminar la película "Pee Wee Herman's Big Adventure"

```
mongo_exercise> db.movies.deleteOne({title:"Pee Wee Herman's Big Adventure"})
{ acknowledged: true, deletedCount: 1 }
```

2. Eliminar la película "Avatar"

```
mongo_exercise> db.movies.deleteOne({title:"avatar"})
{ acknowledged: true, deletedCount: 1 }
```