MongoDB CRUD Operations for MovieInfo Collection

1. Create Operation

db.MovieInfo.find({ name: "Inception" });

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Insert a single document:
db.MovieInfo.insertOne({
  movieInfold: "12345",
  name: "Inception",
  year: 2010,
  cast: ["Leonardo DiCaprio", "Joseph Gordon-Levitt"],
  releaseDate: "2010-07-16"
});
Insert multiple documents:
db.MovieInfo.insertMany([
   { movieInfold: "12346", name: "Interstellar", year: 2014, cast: ["Matthew McConaughey", "Anne
Hathaway"], releaseDate: "2014-11-07" },
    { movieInfold: "12347", name: "The Dark Knight", year: 2008, cast: ["Christian Bale", "Heath
Ledger"], releaseDate: "2008-07-18" }
]);
2. Read Operation
Find all documents:
db.MovieInfo.find();
Find with a filter (e.g., by name):
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Find movies released after 2010:
db.MovieInfo.find({ year: { $gt: 2010 } });
Find specific fields (projection):
db.MovieInfo.find({ year: 2010 }, { name: 1, cast: 1, _id: 0 });
Find with OR condition:
db.MovieInfo.find({ $or: [ { year: 2010 }, { name: "Interstellar" } ] });
3. Update Operation
Update a single document:
db.MovieInfo.updateOne(
  { name: "Inception" },
  { $set: { year: 2011, releaseDate: "2011-07-16" } }
);
Update multiple documents:
db.MovieInfo.updateMany(
  { year: { $lt: 2010 } },
  { $set: { status: "Classic" } }
);
Upsert (update or insert if not exists):
db.MovieInfo.updateOne(
  { name: "Tenet" },
  { $set: { year: 2020, releaseDate: "2020-08-26" } },
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{ upsert: true }
);
Rename a field:
db.MovieInfo.updateMany(
  {},
  { $rename: { "releaseDate": "premiereDate" } }
);
4. Delete Operation
Delete a single document:
db.MovieInfo.deleteOne({ name: "Inception" });
Delete multiple documents:
db.MovieInfo.deleteMany({ year: { $lt: 2000 } });
```

Delete all documents in the collection:

db.MovieInfo.deleteMany({});