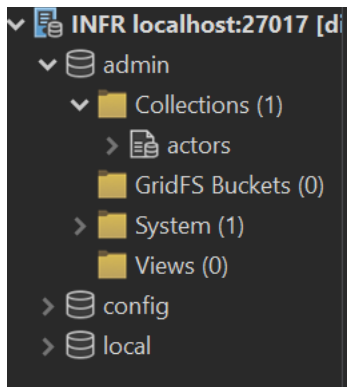
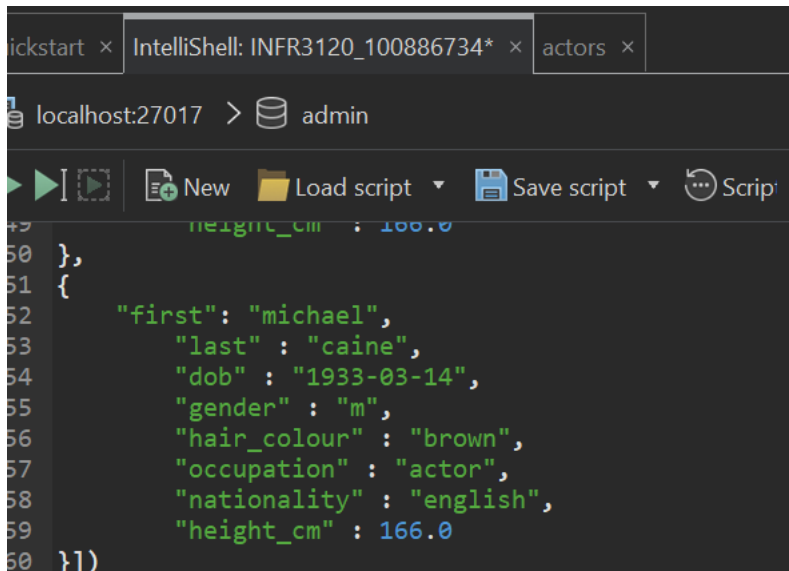


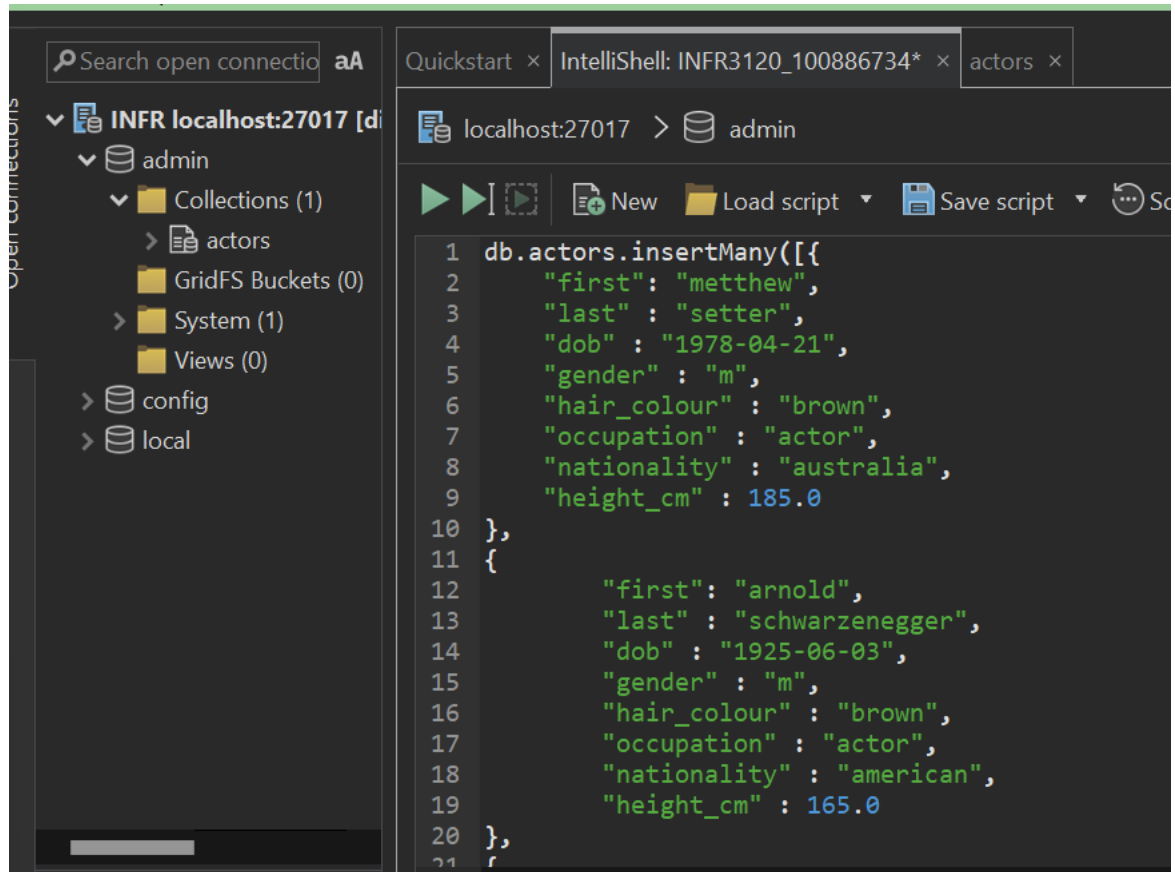
Question 1:



Question 2:



Question 3:



Question 4:

- a. Find all female actors.

```
db.actors.find()
```

- b. Find all male American actors.

```
db.actors.find({"gender": "f"})
```

- c. Find actors that are either male or American actors.

```
db.actor.find({gender: "m", nationality: "american"});
```

- d. Find all male actors who are either English or American.

```
db.actor.find({gender: "m", $or: [{nationality: "english"}, {nationality: "american"}]});
```

- e. Find and display only the first name and height of actors.

```
db.actor.find({first: 1, height_cm: 1});
```

- f. List the height of all the actors in the order of tallest to shortest.

```
db.actor.find().sort({ height_cm: -1 });
```

- g. List all the actors who have a height less than 170 cm.

```
db.actors.find({ height: { $lt: 170 } })
```

- h. Find the shortest male and female actors.

```
db.actors.find({ gender: "Male" }).sort({ height: 1 }).limit(1)
db.actors.find({ gender: "Female" }).sort({ height: 1 }).limit(1)
```

- i. Find the average height of all the actors.

- j.

```
db.actors.aggregate([
  {
    $group: {
      _id: null,
      averageHeight: { $avg: "$height" }
    }
  }
])
```

#### Question 5:

- a.

```
db.actor.aggregate([{$group: "$gender", min_height: { $min: "$height_cm" }}}];
db.actors.update({ firstName: "James", lastName: "Caan" }, { $set: { hairColor: "Grey" } })
```

- b.

```
db.actors.update({ firstName: "James", lastName: "Caan" }, { $set: { hairColor: "Grey" } })
db.actors.remove({ firstName: "James", lastName: "Caan" })
```

```
db.actors.find({ "gender": "f" })

db.actor.find({gender:"m", nationality:"american"});

db.actor.find({gender:"m", $or:[{nationality:"english"}, {nationality:"american"}]});

db.actor.find({first:1, height_cm:1});

db.actor.find().sort({ height_cm: -1 });

db.actor.aggregate([{$group: "$gender", min_height: { $min: "$height_cm" }}}];
```

```
db.actors.update({ firstName: "James", lastName: "Caan" }, { $set: { hairColor: "Grey" } })

db.actors.remove({ firstName: "James", lastName: "Caan" })

db.actors.find({ height: { $lt: 170 } })

db.actors.find({ gender: "Male" }).sort({ height: 1 }).limit(1)

db.actors.find({ gender: "Female" }).sort({ height: 1 }).limit(1)

db.actors.aggregate([

{

$group: {

_id: null,

averageHeight: { $avg: "$height" }

}

}

])
```

FileEditDatabaseCollectionIndexDocumentGridsViewHelp

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Search open connections (Ctrl+F)

QuickstartIntelliShell: @R3120\_100886734\*actorsx

Connections

My resources

Operations

localhost:27017 > admin

Load scriptSave scriptScript historyChange viewAI HelperVisual Query Builder

```
45  "gender" : "m",
46  "hair_colour" : "brown",
47  "occupation" : "actor",
48  "nationality" : "english",
49  "height_cm" : 166.0
50 },
51 {
52   "first": "michael",
53   "last" : "casine",
54   "dob" : "1933-03-18",
55   "gender" : "m",
56   "hair_colour" : "brown",
57   "occupation" : "actor",
58   "nationality" : "english",
59   "height_cm" : 166.0
60 }
61
62 db.actors.find()
63 db.actors.find({'gender':'f'})
64
65
66
```

Raw shell outputShell Output (Documents)Find Query (line 62)Find Query (line 63)

actors > first

id	first	last	dob	gender	hair_colour	occupation	nationality	height_cm
603428a0d4ed7d5...	james lee	curtis	1958-11-22	f	brown	actor	american	165
603428a2ced7d5...	james lee	curtis	1958-11-22	f	brown	actor	american	165
603428a6ced7d5...	james lee	curtis	1958-11-22	f	brown	actor	american	165
603428a6ced7d5...	james lee	curtis	1958-11-22	f	brown	actor	american	165
603428d19hed7d5...	james lee	curtis	1958-11-22	f	brown	actor	american	165
603428d19hed7d5...	james lee	curtis	1958-11-22	f	brown	actor	american	165
60342921bed7d5...	james lee	curtis	1958-11-22	f	brown	actor	american	165
60342924ced7d5...	james lee	curtis	1958-11-22	f	brown	actor	american	165