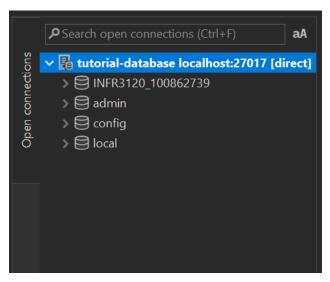
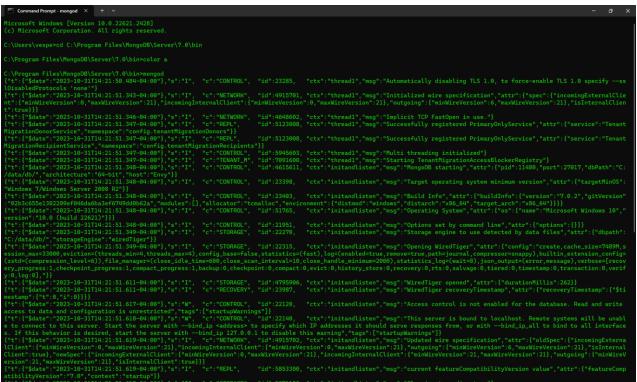
Web and Scripting Programming

Tutorial-Activity-2

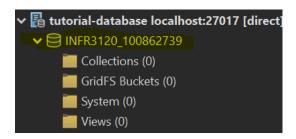
Due: 1st November 2023 02:00PM Muqshith Mohammed Shifan (100862739)| Arshia Mortazavinezhad (100860353)

1. Launch the MongoDB Server and connect the Robo3T client to the server (show us through screenshot). 2 Marks

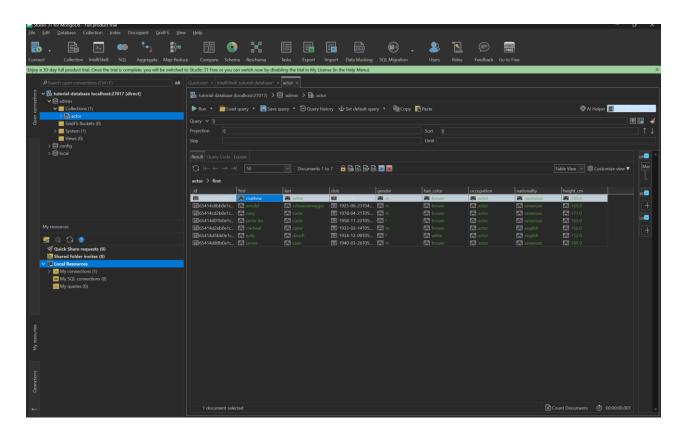




2. Create a NoSQL Database in MongoDB named "INFR3120_StudentNumber" (show us through screenshot). 2 Marks



3. Insert the following data into the INFR3120_StudentNumber database created in the previous step. (Show us through screenshot, you can show 1 or 2 queries, it's not mandatory to show the queries of all the data) 3 Marks.



```
db.actor.insert({
   first: "james",
   last: "caan",
   dob: new Date ('March 26, 1940'),
   gender: "m",
   hair_color: "brown",
   occupation: "actor",
   nationality: "american",
   height_cm: "185.0"
]);
```

first	last	dob	gender	hair_colour	occupation	nationality	height_cm
matthew	setter	1978-04-21	m	brown	actor	australian	185.0
arnold	schwarzenegger	1925-06-03	m	brown	actor	american	165.0
tony	curtis	1978-04-21	m	brown	actor	american	171.0
jamie lee	curtis	1958-11-22	f	brown	actor	american	165.0
michael	caine	1933-03-14	m	brown	actor	english	166.0
judi	dench	1934-12-09	f	white	actor	english	152.0
james	caan	1940-03-26	M	brown	actor	american	185.0

- 4. Searching data in MongoDB. (Write down the queries for below problems in Robo3T and share screenshot) 9 Marks.
 - a. Find all female actors.

```
5. db.actor.find({gender:"f"});
```

a. Find all male American actors.

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

a. Find actors that are either male or American actors.

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

a. Find all male actors who are either English or American.

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

a. Find and display only the first name and height of actors.

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

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

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

- a. List all the actors who have a height less than 170 cm.
- b. Find the shortest male and female actors.

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

- 12. Updating data in MongoDB. (Write down the queries for below problems) 4 Marks.
 - a. Update the hair color of James Caan to grey.
 - b. Delete the James Caan information from the database.

Show the work to TA and then Submit pdf file on CANVAS.