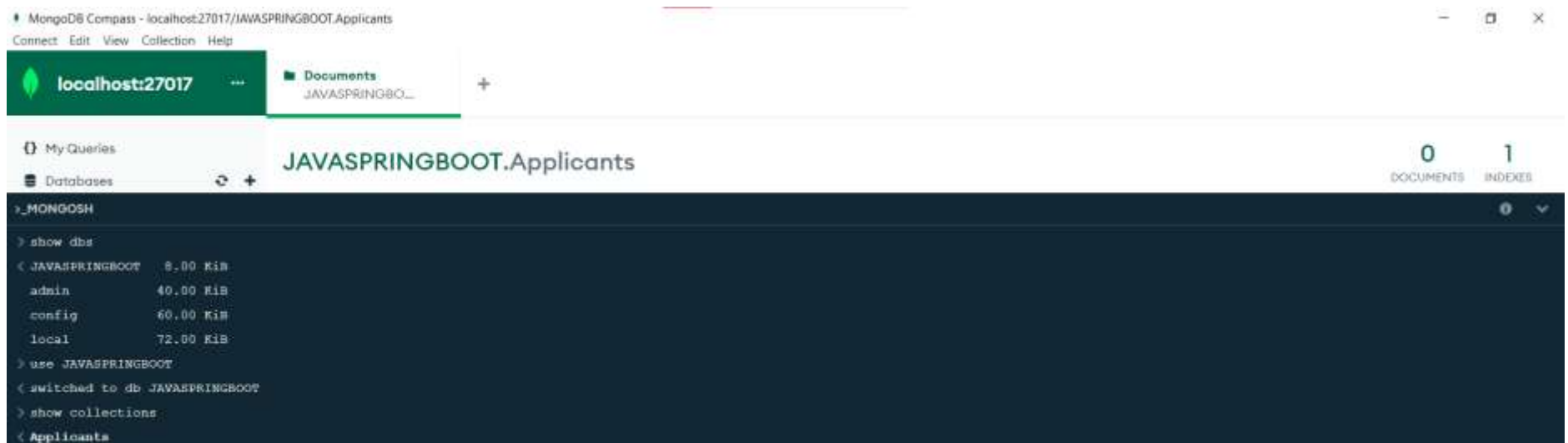


# JAVA SPRING BOOT ASSIGNMENT – 2

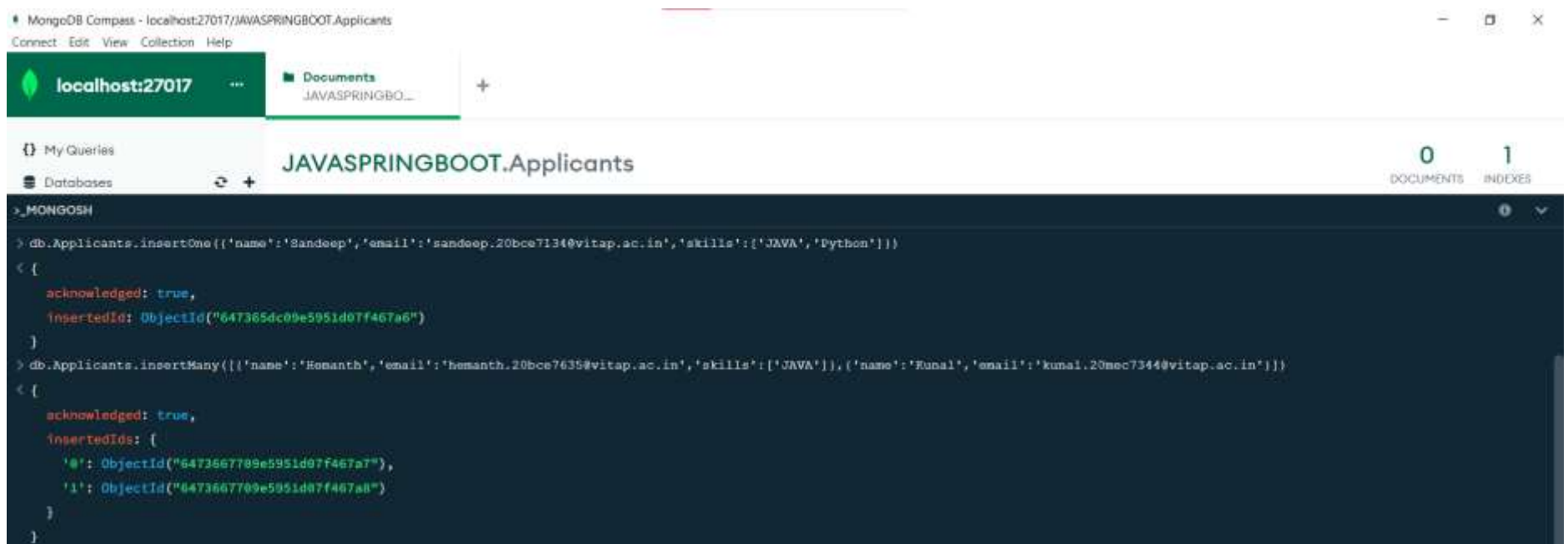
Kotha Anurag  
20BCE7353

## 1. Mongo DB :



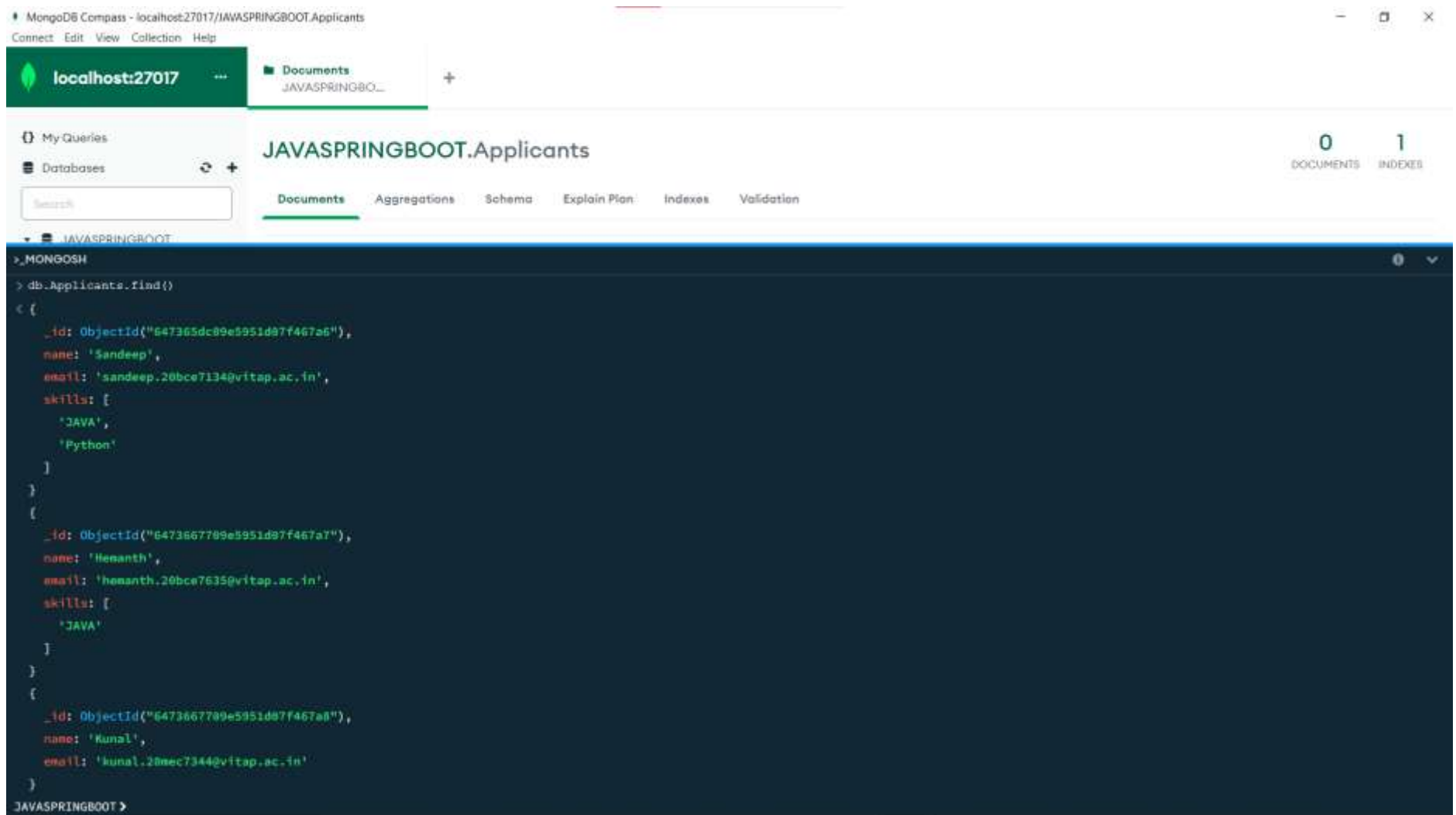
Create :

1. `db.collectionName.insertOne({ document })`: Inserts a single document into a collection.
2. `db.collectionName.insertMany([ { document1 }, { document2 }, ... ])`: Inserts multiple documents into a collection.



Read :

1. `db.collectionName.find()`:



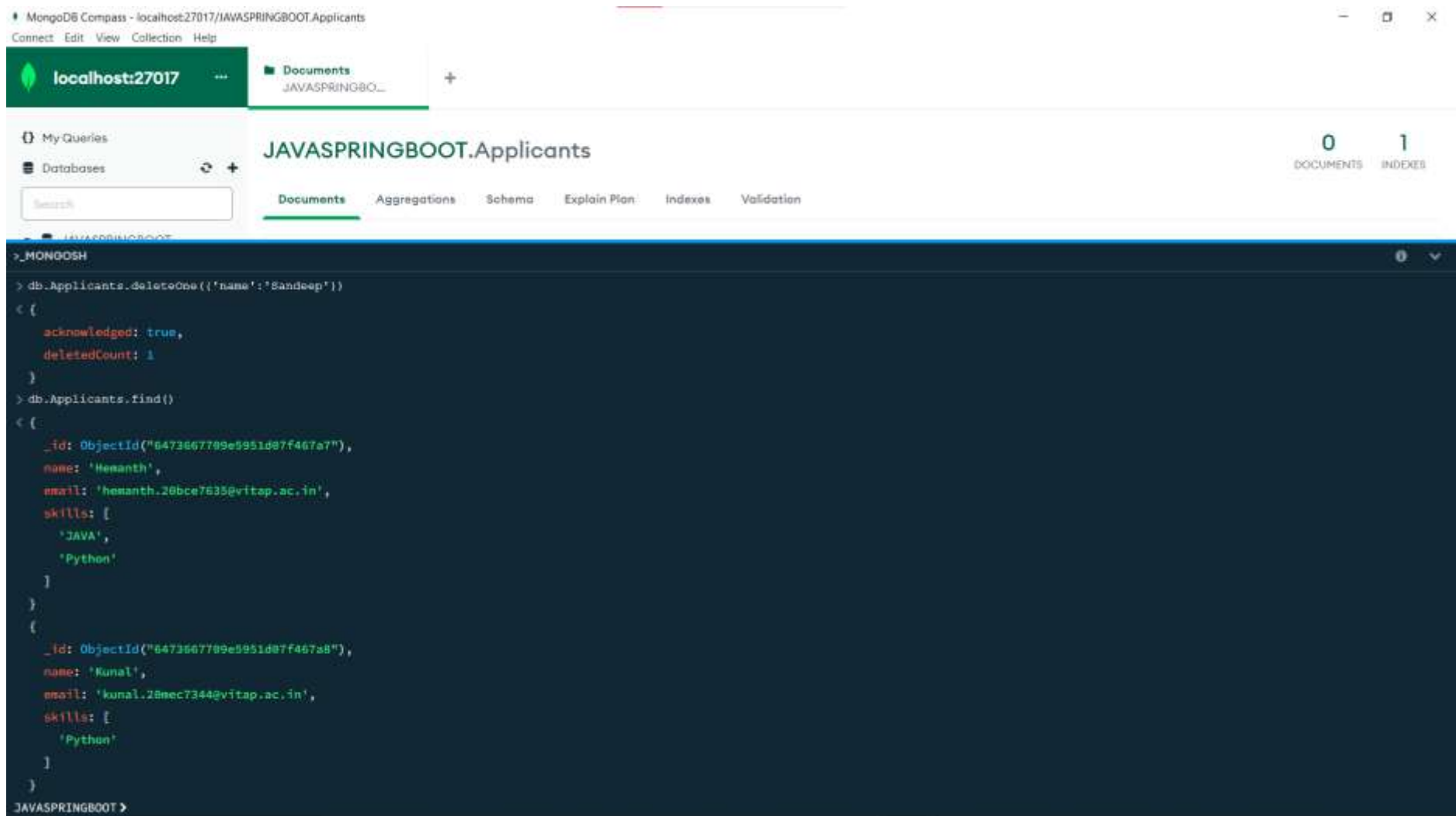
Update :

1. `db.collectionName.updateOne({filter}, {update})`: Updates a single document in a collection that matches the filter.

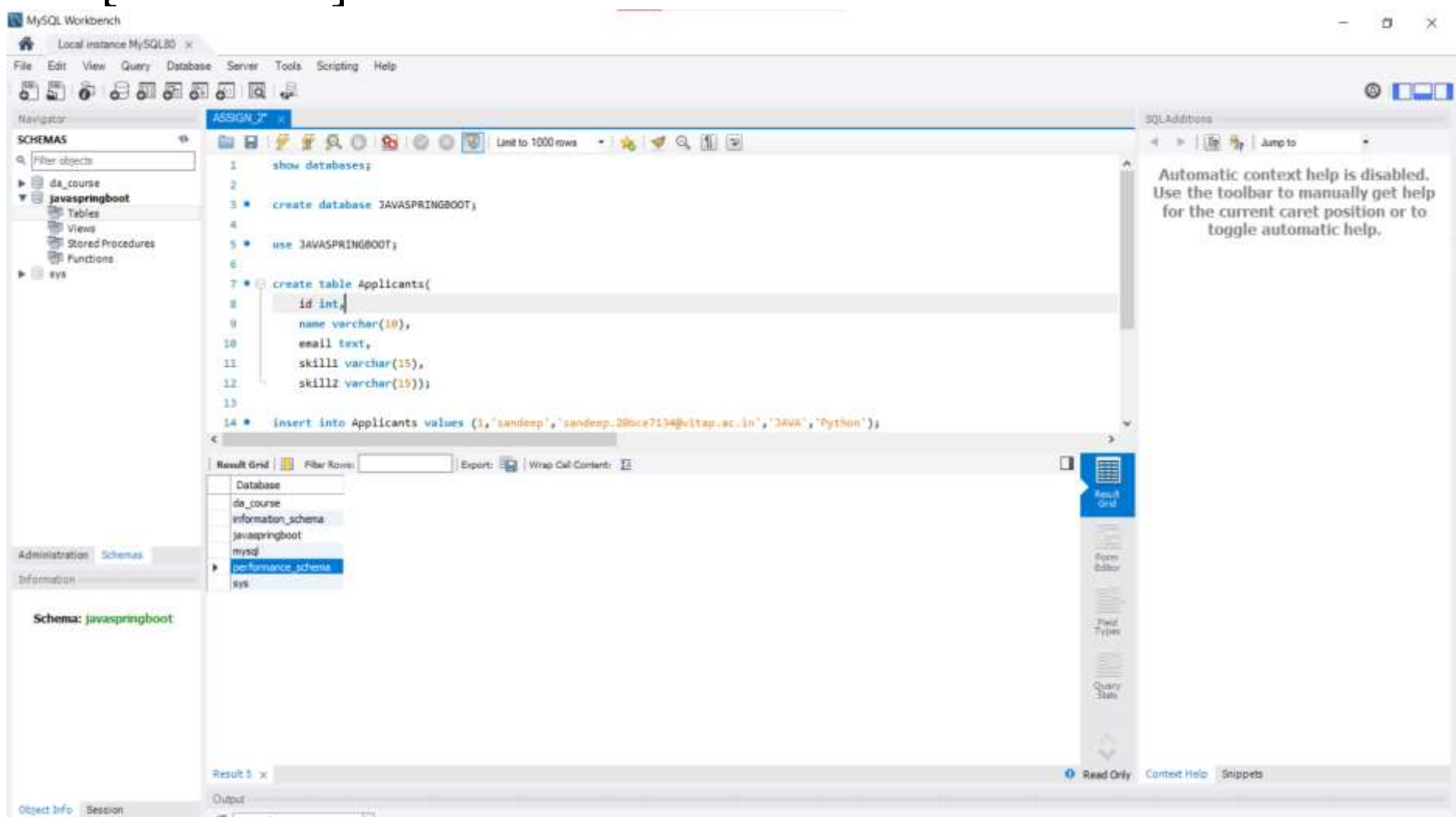


Delete :

1. `db.collectionName.deleteOne({filter})`: Deletes a single document from a collection that matches the filter.



## 2. MY SQL : [ CRUD --]



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Schema: javaspringboot

Object Info Session

Limit to 1000 rows

```
2
3 create database JAVASPRINGBOOT;
4
5 use JAVASPRINGBOOT;
6
7 create table Applicants(
8     id int,
9     name varchar(10),
10    email text,
11    skill1 varchar(15),
12    skill2 varchar(15));
13
14 insert into Applicants values (1,'sandeep','sandeep.20bce7134@vitap.ac.in','JAVA','Python');
15 insert into Applicants values (2,'Hemanth','hemanth.20bce7635@vitap.ac.in','JAVA',null);
16 insert into Applicants values (3,'Kunal','kunal.20bce7443@vitap.ac.in',null,'Python');
17
18 select * from Applicants;
19
20
```

Result Grid

	id	name	email	skill1	skill2
1	1	sandeep	sandeep.20bce7134@vitap.ac.in	JAVA	Python
2	2	Hemanth	hemanth.20bce7635@vitap.ac.in	JAVA	
3	3	Kunal	kunal.20bce7443@vitap.ac.in		Python

Applicants 7 x

Read Only Context Help Snippets

SQLAdditions

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Schema: javaspringboot

Object Info Session

Limit to 1000 rows

```
24
25
26 create table CSE(
27     id int,
28     name varchar(10),
29     specialize varchar(20),
30     year year);
31
32 insert into CSE values (1,'sandeep',null,year('2020-10-01'));
33 insert into CSE values (2,'Nithin','Data Analytics',year('2019-10-01'));
34 insert into CSE values (3,'Nani',null,year('2020-10-01'));
35
36 select * from CSE;

```

Result Grid

	id	name	specialize	year
1	1	sandeep		2020
2	2	Nithin	Data Analytics	2019
3	3	Nani		2020

CSE 8 x

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Information

Schema: javaspringboot

ASSIGN\_2\*

Limit to 1000 rows

```
27 * select * from Applicants;
28
29 * UPDATE Applicants
30 SET skill2 = null
31 WHERE id = 1;
32
```

Result Grid

	id	name	email	skill1	skill2
1	1	sandeep	sandeep.20bce7134@vitap.ac.in	JAVA	
2	2	Hemanth	hemanth.20bce7635@vitap.ac.in	JAVA	
3	3	Kunal	kunal.20mce7443@vitap.ac.in		Python

Applicants 12 x

Output

SQLAdditions

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Result Grid

Form Editor

Field Types

Query State

Execution Plan

Context Help Snippets

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Schema: javaspringboot

ASSIGN\_2\*

Limit to 1000 rows

```
22
23 * insert into Applicants values (1,'sandeep','sandeep.20bce7134@vitap.ac.in','JAVA','Python');
24 * insert into Applicants values (2,'Hemanth','hemanth.20bce7635@vitap.ac.in','JAVA',null);
25 * insert into Applicants values (3,'Kunal','kunal.20mce7443@vitap.ac.in',null,'Python');
26
27 * select * from Applicants;
28
29 * UPDATE Applicants
30 SET skill2 = null
31 WHERE id = 1;
32
33 * DELETE FROM Applicants WHERE id=2;
34
```

Result Grid

	id	name	email	skill1	skill2
1	1	sandeep	sandeep.20bce7134@vitap.ac.in	JAVA	
3	3	Kunal	kunal.20mce7443@vitap.ac.in		Python

Applicants 12 x

Output

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

Form Editor

Field Types

Query State

Execution Plan

Context Help Snippets

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ASSIGN\_2

Limit to 1000 rows

```
34
35 * insert into Applicants values (2,'Koushik','koushik.20bce7234@vitap.ac.in','C++','Python');
36 * insert into Applicants values (4,'Vignesh','vignesh.20bce7123@vitap.ac.in',null,'Python');
37
38
39 * create table CSE(
40     id int,
41     name varchar(10),
42     specialize varchar(20),
43     year year);
44
45 * insert into CSE values (1,'sandeep',null,year('2020-10-01'));
46 * insert into CSE values (2,'Nithin','Data Analytics',year('2019-10-01'));
```

Result Grid

	id	name	email	skil1	skil2
1	sandeep	sandeep.20bce7134@vitap.ac.in		JAVA	
2	Koushik	koushik.20bce7234@vitap.ac.in		C++	Python
3	Kunal	kunal.20mce7443@vitap.ac.in			Python
4	Vignesh	vignesh.20bce7123@vitap.ac.in			

Applicants 14 x

Schema: javaspringboot

Object Info Session

SQLAdditions

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MySQL Workbench

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ASSIGN\_2

Limit to 1000 rows

```
33 * DELETE FROM Applicants WHERE id=2;
34
35 * insert into Applicants values (2,'Koushik','koushik.20bce7234@vitap.ac.in','C++','Python');
36 * insert into Applicants values (4,'Vignesh','vignesh.20bce7123@vitap.ac.in',null,'Python');
37
38
39 * create table CSE(
40     id int,
41     name varchar(10),
42     specialize varchar(20),
43     year year);
44
45 * insert into CSE values (1,'sandeep',null,year('2020-10-01'));
46 * insert into CSE values (2,'Nithin','Data Analytics',year('2019-10-01'));
47 * insert into CSE values (3,'Mani',null,year('2020-10-01'));
```

Result Grid

	id	name	specialize	year
1	sandeep			2020
2	Nithin	Data Analytics		2019
3	Mani			2020

CSE 16 x

Schema: javaspringboot

Object Info Session

SQLAdditions

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[ JOINS --]

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Schema: javaspringboot

Object Info Session

Output

ASSIGN\_2

Limit to 1000 rows

49 select \* from CSE;

50

51 SELECT \*

52 FROM Applicants

53 INNER JOIN CSE

54 ON Applicants.name = CSE.name;

Result Grid

	id	name	email	skill1	skill2	id	name	specialize	year
▶	1	sandeep	sandeep.20bce7134@vitap.ac.in	JAVA	2020	1	sandeep	2020	2020

Result 17 x

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SQLAdditions

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ASSIGN\_2

Limit to 1000 rows

54 ON Applicants.name = CSE.name;

55

56 SELECT \*

57 FROM Applicants

58 LEFT JOIN CSE

59 ON Applicants.name = CSE.name;

Result Grid

	id	name	email	skill1	skill2	id	name	specialize	year
▶	1	sandeep	sandeep.20bce7134@vitap.ac.in	JAVA	2020	1	sandeep	2020	2020
	2	Koushik	koushik.20bce7234@vitap.ac.in	C++	Python	2020	2020	2020	2020
	3	Kunal	kunal.20nce7443@vitap.ac.in	Python	2020	2020	2020	2020	2020
	4	Vignesh	vignesh.20bce7123@vitap.ac.in	Python	2020	2020	2020	2020	2020

Result 18 x

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Schema: javaspringboot

ASSIGN\_2

Limit to 1000 rows

```
60
61 SELECT *
62 FROM Applicants
63 RIGHT JOIN CSE
64 ON Applicants.name = CSE.name
65
```

Result Grid

id	name	email	skill1	skill2	id	name	specialize	year
1	sandeep	sandeep.20bce7134@vitap.ac.in	JAVA	2019	1	sandeep	2019	2020
2	Nithin				2	Nithin	Data Analytics	2019
3	Mari				3	Mari		2020

Result 19

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Schema: javaspringboot

ASSIGN\_2

Limit to 1000 rows

```
63 RIGHT JOIN CSE
64 ON Applicants.name = CSE.name;
65
66 SELECT *
67 FROM Applicants
68 CROSS JOIN CSE;
```

Result Grid

id	name	email	skill1	skill2	id	name	specialize	year
1	sandeep	sandeep.20bce7134@vitap.ac.in	JAVA	2019	3	Mari	2019	2020
1	sandeep	sandeep.20bce7134@vitap.ac.in	JAVA	2019	2	Nithin	Data Analytics	2019
1	sandeep	sandeep.20bce7134@vitap.ac.in	JAVA	2019	1	sandeep	2019	2020
2	Koushik	koushik.20bce7234@vitap.ac.in	C++	Python	3	Mari	2019	2020
2	Koushik	koushik.20bce7234@vitap.ac.in	C++	Python	2	Nithin	Data Analytics	2019
2	Koushik	koushik.20bce7234@vitap.ac.in	C++	Python	1	sandeep	2019	2020
3	Kunal	kunal.20mce7443@vitap.ac.in	2019	Python	3	Mari	2019	2020
3	Kunal	kunal.20mce7443@vitap.ac.in	2019	Python	2	Nithin	Data Analytics	2019
3	Kunal	kunal.20mce7443@vitap.ac.in	2019	Python	1	sandeep	2019	2020
4	Vignesh	vignesh.20bce7123@vitap.ac.in	2019	Python	3	Mari	2019	2020
4	Vignesh	vignesh.20bce7123@vitap.ac.in	2019	Python	2	Nithin	Data Analytics	2019
4	Vignesh	vignesh.20bce7123@vitap.ac.in	2019	Python	1	sandeep	2019	2020

Result 20

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ASSIGN\_2

Limit to 1000 rows

```
69
70 SELECT *
71 FROM Applicants
72 LEFT JOIN CSE
73 ON Applicants.name = CSE.name
74 UNION
75 SELECT *
76 FROM Applicants
77 RIGHT JOIN CSE
78 ON Applicants.name = CSE.name
```

SQLAdditions

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Result Grid

Filter Rows

Export

Wrap Cell Contents

	id	name	email	skill1	skill2	id	name	specialize	year
1	sandeep	sandeep.20bce7134@vitap.ac.in	JAVA	2020	1	sandeep	2020	2020	2020
2	Koushik	koushik.20bce7234@vitap.ac.in	C++	Python	2020	2020	2020	2020	2020
3	Kunal	kunal.20mce7443@vitap.ac.in	Python	2020	2020	2020	2020	2020	2020
4	Vignesh	vignesh.20bce7123@vitap.ac.in	Python	2020	2020	2020	2020	2020	2020
5	MANI					2	Nithin	Data Analytics	2019
6						3	Mari		2020

Administration Schemas

Information

Schema: javaspringboot

Object Info Session

Result 21 x

Output

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