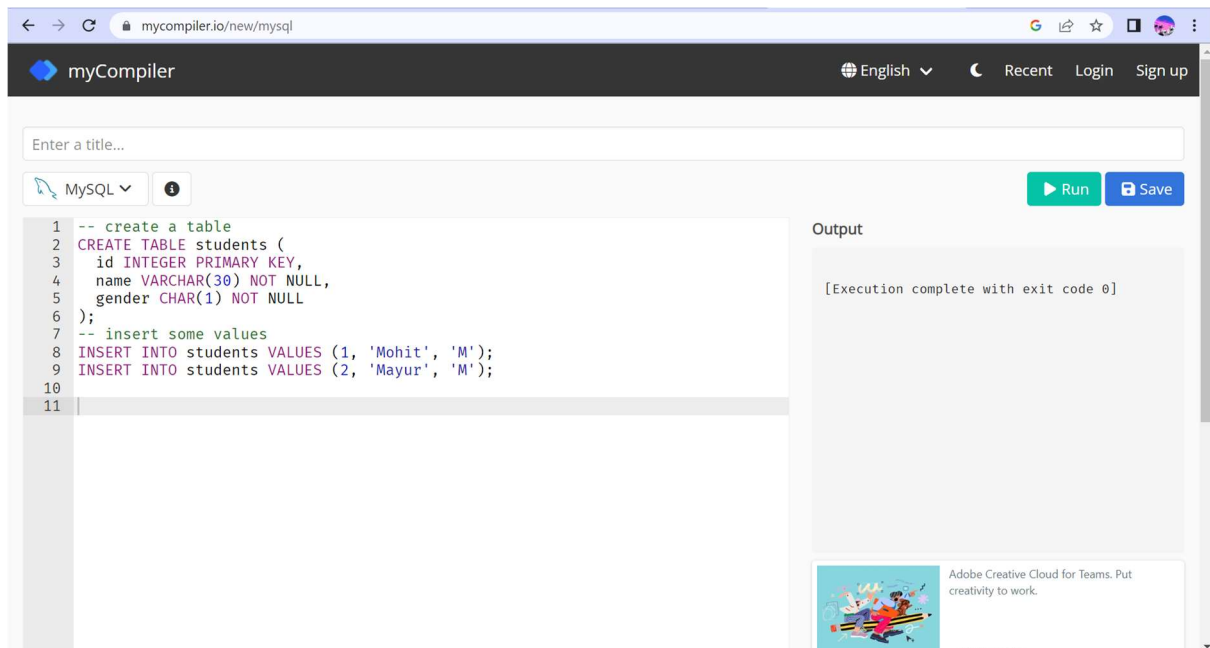


Question 1

CREATE



The screenshot shows the myCompiler.io MySQL interface. The code editor contains the following SQL script:

```
1 -- create a table
2 CREATE TABLE students (
3   id INTEGER PRIMARY KEY,
4   name VARCHAR(30) NOT NULL,
5   gender CHAR(1) NOT NULL
6 );
7 -- insert some values
8 INSERT INTO students VALUES (1, 'Mohit', 'M');
9 INSERT INTO students VALUES (2, 'Mayur', 'M');
```

The output pane on the right displays the message: "[Execution complete with exit code 0]".

id	name	gender
1	Mohit	M
2	Mayur	M

[Execution complete with exit code 0]

```
1 -- create a table
2 CREATE TABLE students (
3   id INTEGER PRIMARY KEY,
4   name VARCHAR(30) NOT NULL,
5   gender CHAR(1) NOT NULL
6 );
7 -- insert some values
8 INSERT INTO students VALUES (1, 'Mohit', 'M');
9 INSERT INTO students VALUES (2, 'Mayur', 'M');
```

UPDATE

myCompiler

English Recent Login Sign up

Enter a title...

MySQL

```
1 update students set name="Mayank" where name="Mohit";
2
3 select * from students;
```

Run Save

Output

id	name	gender
1	Mayank	M
2	Mayur	M

[Execution complete with exit code 0]

DELETE

myCompiler

English Recent Login Sign up

Enter a title...

MySQL

```
1 delete from students where name="Mohit";
2
3 select * from students;
```

Run Save

Output

id	name	gender
2	Mayur	M

[Execution complete with exit code 0]

Question 2

Creating both Tables

```
1 -- create a table1
2 CREATE TABLE students (
3   id INTEGER PRIMARY KEY,
4   name VARCHAR(30) NOT NULL,
5   gender CHAR(1) NOT NULL
6 );
7 -- insert some values
8 INSERT INTO students VALUES (101, 'Mohit', 'M');
9 INSERT INTO students VALUES (102, 'Mayur', 'M');
10 INSERT INTO students VALUES (103, 'Rohit', 'M');
11 INSERT INTO students VALUES (104, 'Lucy', 'F');
12 INSERT INTO students VALUES (105, 'Shreya', 'F');
13 INSERT INTO students VALUES (106, 'Riya', 'F');
14
15 SELECT * FROM students;
```

Output

id	name	gender
101	Mohit	M
102	Mayur	M
103	Rohit	M
104	Lucy	F
105	Shreya	F
106	Riya	F

[Execution complete with exit code 0]

```
1 -- create a table2
2 CREATE TABLE subjects (
3   id INTEGER,
4   subject VARCHAR(30) NOT NULL
5 );
6 -- insert some values
7 INSERT INTO subjects VALUES (101, 'English');
8 INSERT INTO subjects VALUES (101, 'Maths');
9 INSERT INTO subjects VALUES (102, 'English');
10 INSERT INTO subjects VALUES (102, 'Maths');
11 INSERT INTO subjects VALUES (102, 'Physics');
12 INSERT INTO subjects VALUES (103, 'Maths');
13 INSERT INTO subjects VALUES (104, 'Physics');
14 INSERT INTO subjects VALUES (104, 'English');
15 INSERT INTO subjects VALUES (105, 'Maths');
16 INSERT INTO subjects VALUES (106, 'Physics');
17
18
19 SELECT * FROM subjects;
```

Output

id	subject
101	English
101	Maths
102	English
102	Maths
102	Physics
103	Maths
104	Physics
104	English
105	Maths
106	Physics

[Execution complete with exit code 0]

Using JOIN

← → ↺ mycompiler.io/new/mysql

Enter a title...

MySQL ⓘ

Run Save

```
1
2 SELECT * FROM students JOIN subjects ON students.id=subjects.id;
3
```

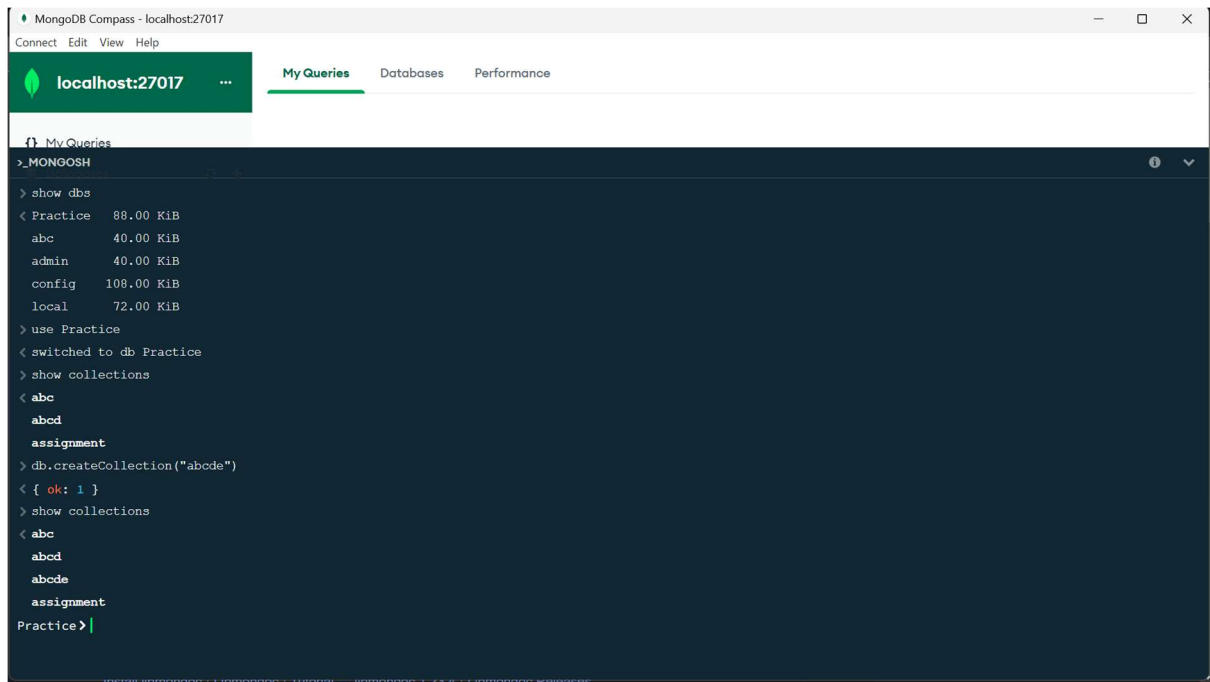
Output

id	name	gender	id	subject
101	Mohit	M	101	English
101	Mohit	M	101	Maths
102	Mayur	M	102	English
102	Mayur	M	102	Maths
102	Mayur	M	102	Physics
103	Rohit	M	103	Maths
104	Lucy	F	104	Physics
104	Lucy	F	104	English
105	Shreya	F	105	Maths
106	Riya	F	106	Physics

[Execution complete with exit code 0]

Question 3

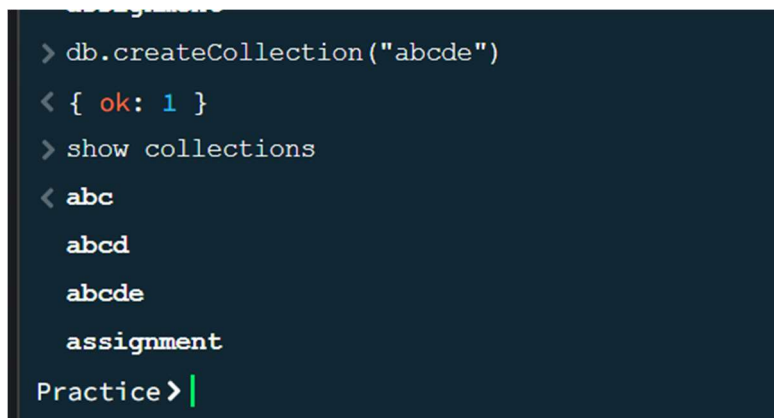
Selecting Database



The screenshot shows the MongoDB Compass application window titled "MongoDB Compass - localhost:27017". The interface includes a top menu bar with "Connect", "Edit", "View", and "Help". Below the menu is a green header bar with the MongoDB logo, "localhost:27017", and a dropdown menu. The main content area has three tabs: "My Queries", "Databases", and "Performance". The "My Queries" tab is active, displaying a dark-themed terminal window with the following commands and output:

```
>_MONGOSH
> show dbs
< Practice 88.00 KiB
  abc      40.00 KiB
  admin    40.00 KiB
  config   108.00 KiB
  local    72.00 KiB
> use Practice
< Switched to db Practice
> show collections
< abc
  abcd
  assignment
> db.createCollection("abcde")
< { ok: 1 }
> show collections
< abc
  abcd
  abcde
  assignment
Practice>|
```

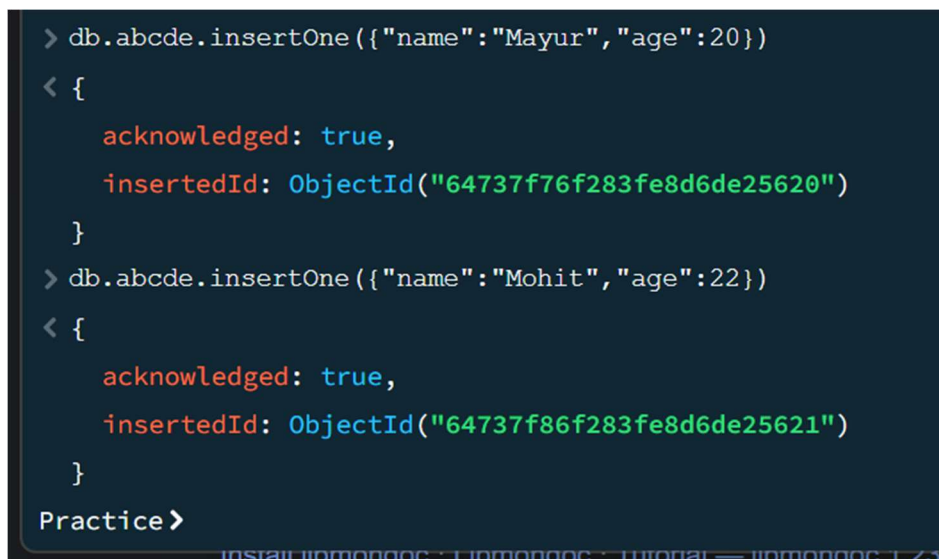
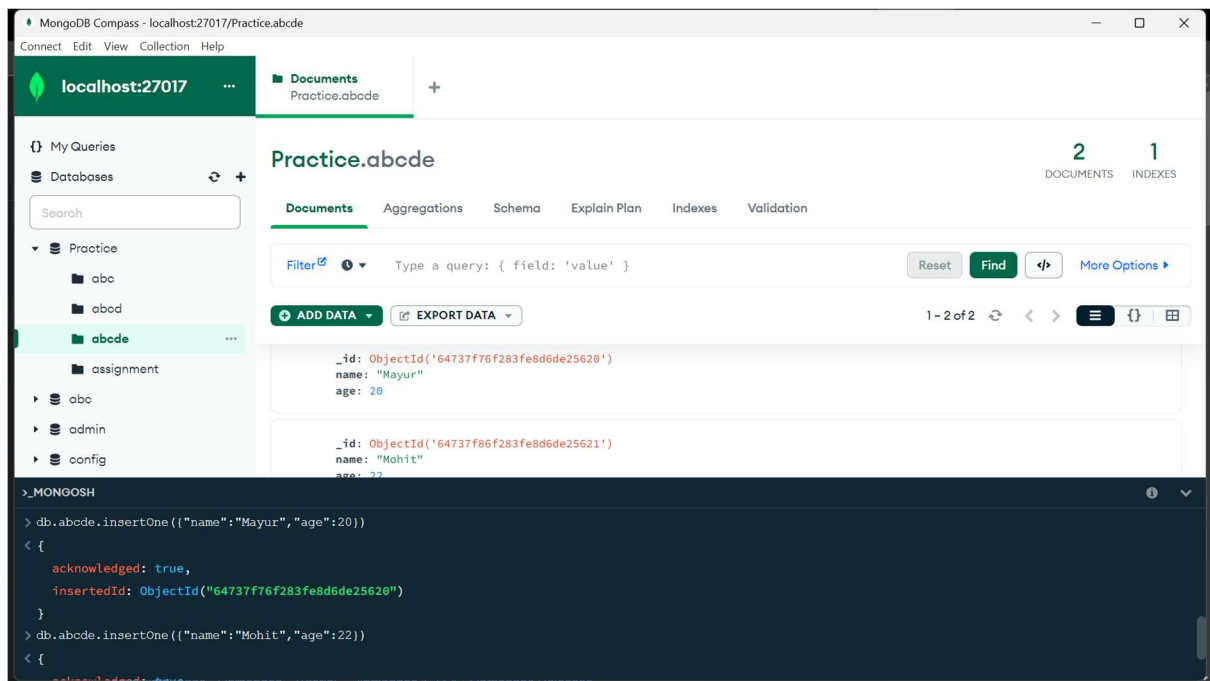
CREATE COLLECTION



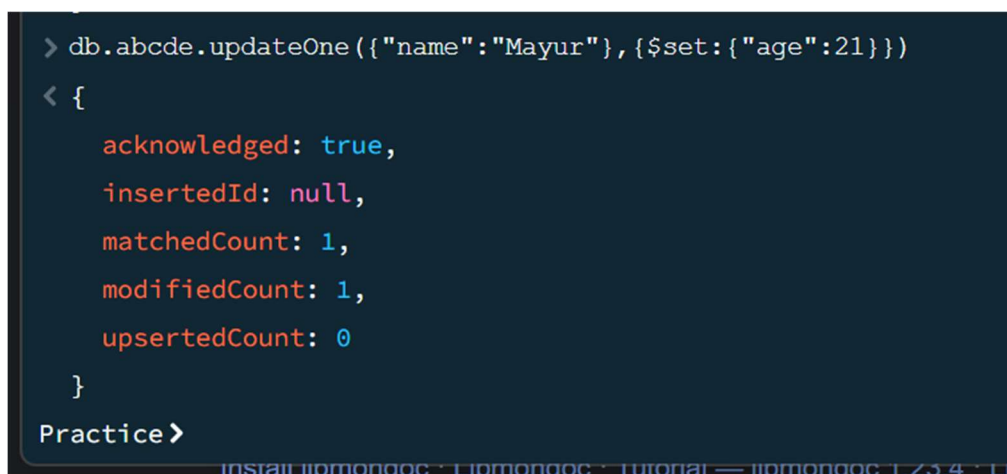
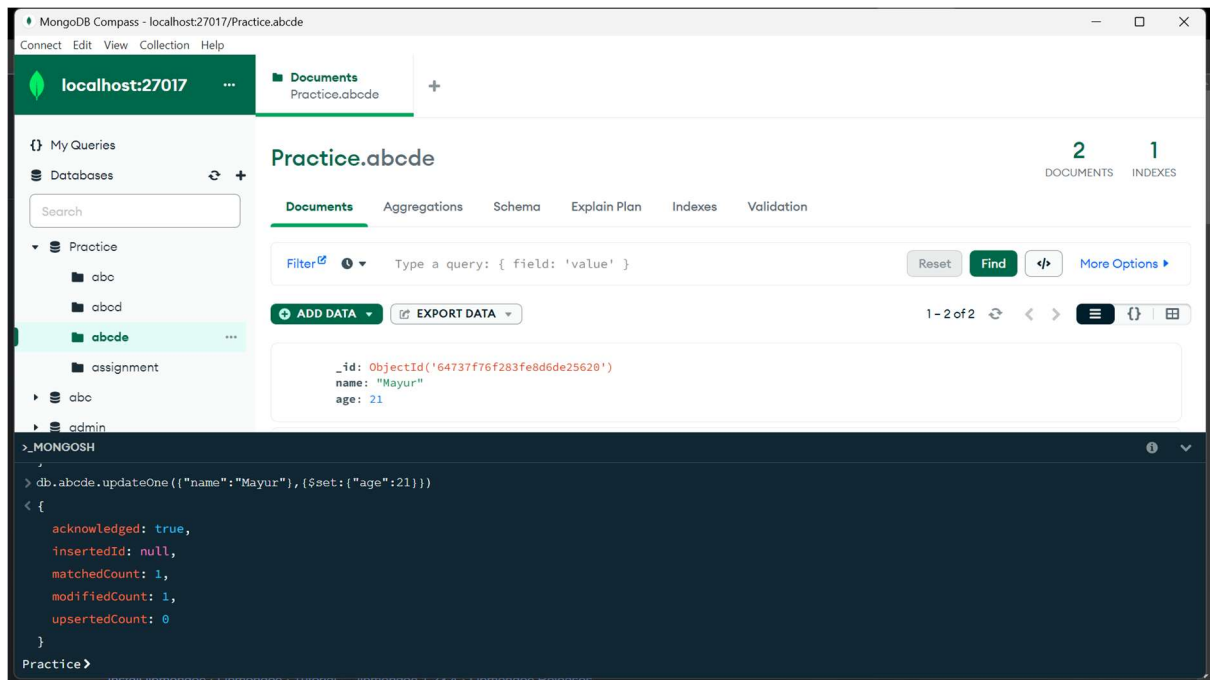
The screenshot shows a dark-themed terminal window with the following commands and output:

```
> db.createCollection("abcde")
< { ok: 1 }
> show collections
< abc
  abcd
  abcde
  assignment
Practice>|
```

INSERT VALUES



UPDATE



DELETE

