



Databases with MySQL

Exercises (4) *SQL- DML*

(Solutions)

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Use the database created in the previous exercise (4) to populate the database with data. You may run the script provided in the solutions for the exercise.

1. Add the following information to the database.

	pet_name	pet_type_description	pet_birth_date	owner_name
▶	Rover	DOG	2022-12-12	James Watson
	Tiger	CAT	2021-10-15	James Watson
	Rex	HAMSTER	2018-01-12	Jose Silva

	pet_name	visitdate	procedur
▶	Rover	2023-01-05	blood test
	Tiger	2023-01-10	vaccine
	Tiger	2023-02-11	X-ray

	invoice_no	pet_name	procedure_name
▶	1	Rover	blood test
	2	Tiger	vaccine
	3	Tiger	blood test

```
INSERT INTO OWNER1 VALUES (NULL, "JAMES WATSON", "XYZ STREET");
INSERT INTO OWNER1 VALUES (NULL, "MARIA JONES", "AAA STREET");
INSERT INTO OWNER1 VALUES (NULL, "JOSE SILVA", "BBB STREET");
SELECT * FROM OWNER1;
```

```
INSERT INTO PET_TYPE VALUES (1, "DOG");
INSERT INTO PET_TYPE VALUES (2, "CAT");
INSERT INTO PET_TYPE VALUES (3, "HAMSTER");
SELECT * FROM PET_TYPE;
```

```
INSERT INTO PET VALUES (NULL, "ROVER", 1, "2022-12-12",1);
INSERT INTO PET VALUES (NULL, "TIGER", 2, "2021-10-15",1);
INSERT INTO PET VALUES (NULL, "REX", 3, "2018-01-12",3);
SELECT * FROM PET;
```



```
INSERT INTO PROCEDURE1 VALUES (NULL, "VACCINE");
INSERT INTO PROCEDURE1 VALUES (NULL, "X-RAY");
INSERT INTO PROCEDURE1 VALUES (NULL, "BLOOD TEST");
SELECT * FROM PROCEDURE1;
```

```
INSERT INTO PET_VISIT VALUES (1, "2023-01-05", 3);
INSERT INTO PET_VISIT VALUES (2, "2023-01-10", 1);
INSERT INTO PET_VISIT VALUES (2, "2023-02-11", 2);
SELECT * FROM PET_VISIT;
```

```
INSERT INTO INVOICE VALUES (NULL, "2023-05-11", 1);
INSERT INTO INVOICE VALUES (NULL, "2023-04-02", 2);
INSERT INTO INVOICE VALUES (NULL, "2023-03-09", 3);
SELECT * FROM INVOICE;
```

```
INSERT INTO INVOICE_PET_PROCEDURE VALUES (1, 1, 3, 40);
INSERT INTO INVOICE_PET_PROCEDURE VALUES (2, 2, 1, 50);
INSERT INTO INVOICE_PET_PROCEDURE VALUES (3, 2, 3, 20);
SELECT * FROM PET_PROCEDURE;
```

2. Add 5% to the amount of the procedures with invoice_no=1

```
UPDATE INVOICE_PET_PROCEDURE SET AMOUNT=AMOUNT*1.05 WHERE
INVOICE_NO=1;
SELECT * FROM INVOICE_PET_PROCEDURE;
```

3. Delete the pet "Rex" from the database.

```
DELETE FROM PET WHERE PET_NAME="REX";
SELECT * FROM PET;
```