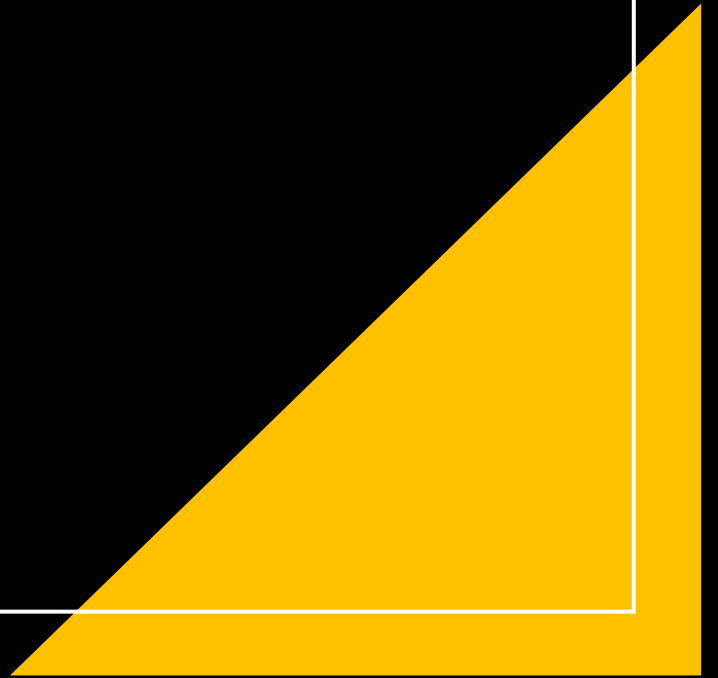


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TVT22SPL

Tietokannat ja rajapinnat VKO 2 Kotitehtävät osat 1 ja 2



Huom!

Kaikki tehtävät on tehty erikseen, kuvissa näkyy myös virheellisiä komentoja tarkoituksella kaikista tehtävistä ei myöskään ole omaa kuvaa koska ne näkee samoista dioista tehtävien 1 osassa.

Tehtävät osa 1 A, B ja C

```
mysql> UPDATE pet SET death='2000-09-15' WHERE name='Chirpy';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select * FROM pet;
```

name	species	sex	birth	death	petID	ownerID
Fluffy	cat	f	1993-02-04	NULL	1	1
Slim	snake	m	1996-04-29	NULL	2	3
Claws	cat	m	1994-03-17	NULL	3	2
Buffy	dog	f	1989-05-13	NULL	4	1
Fang	dog	m	1990-08-27	NULL	5	3
Bowser	dog	m	1998-08-31	1995-07-29	6	4
Chirpy	bird	f	1998-09-11	2000-09-15	7	2
Whistler	bird	NULL	1997-12-09	NULL	8	2

8 rows in set (0.00 sec)

```
mysql>
```

```
mysql> select * FROM pet;
```

name	species	sex	birth	death	petID	ownerID
Fluffy	cat	f	1993-02-04	NULL	1	1
Slim	snake	m	1996-04-29	NULL	2	3
Claws	cat	m	1994-03-17	NULL	3	2
Buffy	dog	f	1989-05-13	NULL	4	1
Fang	dog	m	1990-08-27	NULL	5	3
Bowser	dog	m	1998-08-31	1995-07-29	6	4
Chirpy	bird	f	1998-09-11	NULL	7	2
Whistler	bird	NULL	1997-12-09	NULL	8	2
Puffball	dog	m	2014-09-04	NULL	9	NULL

9 rows in set (0.00 sec)

```
mysql> select * FROM owner;
```

first_name	last_name	address	ownerID
Harold	Lloyd	Someaddress 1	1
Gwen	Stefani	Someaddress 2	2
Benny	Hill	Someaddress 3	3
Diane	Keaton	Someaddress 4	4
Charlie	Chaplin	NULL	5

5 rows in set (0.00 sec)

```
mysql>
```

Tehtävät osa 1 D, E

```
mysql> SELECT * FROM pet WHERE birth >= '1990-1-1' AND birth <= '1990-31-12';
ERROR 1525 (HY000): Incorrect DATE value: '1990-31-12'
mysql> SELECT * FROM pet WHERE birth >= '1990-1-1' AND birth <= '1990-30-12';
ERROR 1525 (HY000): Incorrect DATE value: '1990-30-12'
mysql> SELECT * FROM pet WHERE birth >= '1990-1-1' AND birth <= '1990-12-31';
+-----+-----+-----+-----+-----+-----+-----+
| name | species | sex | birth      | death | petID | ownerID |
+-----+-----+-----+-----+-----+-----+-----+
| Fang | dog      | m   | 1990-08-27 | NULL  | 5      | 3        |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```

```
mysql> select sex FROM pet WHERE sex='m';
+-----+
| sex |
+-----+
| m   |
| m   |
| m   |
| m   |
+-----+
4 rows in set (0.00 sec)

mysql> select pet WHERE sex='m';
ERROR 1054 (42S22): Unknown column 'pet' in 'field list'
mysql> select * pet WHERE sex='m';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
ht syntax to use near 'pet WHERE sex='m'' at line 1
mysql> select * FROM pet WHERE sex='m';
+-----+-----+-----+-----+-----+-----+-----+
| name | species | sex | birth      | death | petID | ownerID |
+-----+-----+-----+-----+-----+-----+-----+
| Slim | snake   | m   | 1996-04-29 | NULL  | 2      | 3        |
| Claws | cat     | m   | 1994-03-17 | NULL  | 3      | 2        |
| Fang | dog      | m   | 1990-08-27 | NULL  | 5      | 3        |
| Bowser | dog     | m   | 1998-08-31 | 1995-07-29 | 6      | 4        |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```

Tehtävät osa 1 F ja G

```
mysql> SELECT DISTINCT first_name,name FROM pet JOIN owner ON pet.ownerID = owner.ownerID;
```

first_name	name
Harold	Fluffy
Harold	Buffy
Gwen	Claws
Gwen	Chirpy
Gwen	Whistler
Benny	Slim
Benny	Fang
Diane	Bowser

8 rows in set (0.00 sec)

```
mysql> SELECT DISTINCT first_name FROM pet JOIN owner ON pet.ownerID = owner.ownerID;
```

first_name
Harold
Gwen
Benny
Diane

4 rows in set (0.00 sec)

```
mysql>
```

```
mysql> select * from owner;
```

first_name	last_name	address	ownerID
Harold	Lloyd	Someaddress 1	1
Gwen	Stefani	Someaddress 2	2
Benny	Hill	Someaddress 3	3
Diane	Keaton	Someaddress 4	4
Charlie	Chaplin	NULL	5

5 rows in set (0.00 sec)

```
mysql> SELECT name,first_name FROM pet JOIN owner ON pet.ownerID = owner.ownerID WHERE sex='m';
```

name	first_name
Claws	Gwen
Slim	Benny
Fang	Benny
Bowser	Diane

4 rows in set (0.00 sec)

```
mysql> SELECT first_name,name FROM pet JOIN owner ON pet.ownerID = owner.ownerID WHERE sex='m';
```

first_name	name
Gwen	Claws
Benny	Slim
Benny	Fang
Diane	Bowser

4 rows in set (0.00 sec)

```
mysql>
```

Tehtävät osa 2 A, B ja C

```
mysql> SELECT name FROM pet ORDER BY name;
```

name
Bowser
Buffy
Chirpy
Claws
Fang
Fluffy
Slim
Whistler

```
8 rows in set (0.00 sec)
```

```
mysql>
```

```
mysql> select name,birth,death FROM pet where death IS NOT NULL;
```

name	birth	death
Bowser	1998-08-31	1995-07-29
Chirpy	1998-09-11	2000-09-15

```
2 rows in set (0.00 sec)
```

```
mysql> select name,birth,death FROM pet where death IS NULL;
```

name	birth	death
Fluffy	1993-02-04	NULL
Slim	1996-04-29	NULL
Claws	1994-03-17	NULL
Buffy	1989-05-13	NULL
Fang	1990-08-27	NULL
Whistler	1997-12-09	NULL

```
6 rows in set (0.00 sec)
```

```
mysql>
```

Tehtävät osa 2 D ja E

```
mysql> SELECT * FROM pet WHERE name LIKE '%ff%';
```

name	species	sex	birth	death	petID	ownerID
Fluffy	cat	f	1993-02-04	NULL	1	1
Buffy	dog	f	1989-05-13	NULL	4	1

2 rows in set (0.00 sec)

```
mysql>
```

```
mysql> SELECT * FROM owner WHERE first_name LIKE 'H%';
```

first_name	last_name	address	ownerID
Harold	Lloyd	Someaddress 1	1

1 row in set (0.00 sec)

```
mysql>
```

Tehtävät osa 2 F

```
mysql> SELECT * FROM pet WHERE name LIKE '____';
```

name	species	sex	birth	death	petID	ownerID
Slim	snake	m	1996-04-29	NULL	2	3
Fang	dog	m	1990-08-27	NULL	5	3

2 rows in set (0.00 sec)

```
mysql>
```


Kiitos!