

Pet Taxi SQL Join

This project was from my Computer Information Systems class. This project was an Uber for pets. For the assignment we had to make joins on our tables. There the invoice match with the correct owner and their pet. As well as the invoice matching the proper owner, pet, and driver.

```
karlaahildebrand@dbserver:~$ sudo mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.32-0ubuntu0.20.04.2 (Ubuntu)
```

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> show databases;
+-----+
| Database |
+-----+
| PetTaxi  |
| ShoalsWoodcraft |
| information_schema |
| mysql    |
| performance_schema |
| sys      |
+-----+
6 rows in set (0.01 sec)
```

```
mysql> use PetTaxi;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
```

```
Database changed
mysql> show tables;
+-----+
| Tables_in_PetTaxi |
+-----+
| Driver            |
| Invoice            |
| Owner             |
```

```
| Pet      |
| Service  |
```

```
+-----+
```

5 rows in set (0.00 sec)

mysql> describe Driver;

```
+-----+-----+-----+-----+-----+-----+
```

```
| Field      | Type      | Null | Key | Default | Extra      |
```

```
+-----+-----+-----+-----+-----+-----+
```

```
| Driverid   | int       | NO   | PRI | NULL    | auto_increment |
```

```
| DriveF     | varchar(20) | YES  |     | NULL    |                |
```

```
| DriverL    | varchar(20) | YES  |     | NULL    |                |
```

```
| VehicleMake | varchar(20) | YES  |     | NULL    |                |
```

```
| VehicleModel | varchar(20) | YES  |     | NULL    |                |
```

```
| Seats      | int       | YES  |     | NULL    |                |
```

```
+-----+-----+-----+-----+-----+-----+
```

6 rows in set (0.00 sec)

mysql> select * from Driver;

```
+-----+-----+-----+-----+-----+-----+
```

```
| Driverid | DriveF | DriverL | VehicleMake | VehicleModel | Seats |
```

```
+-----+-----+-----+-----+-----+-----+
```

```
| 1 | Karla | Hildebrand | Mercades | CLS | 4 |
```

```
| 2 | Elvis | Presley | Cadaillac | Fleetwood | 4 |
```

```
| 3 | James | Bond | Aston Martin | DB5 | 4 |
```

```
+-----+-----+-----+-----+-----+-----+
```

3 rows in set (0.01 sec)

mysql> describe Invoice;

```
+-----+-----+-----+-----+-----+-----+
```

```
| Field      | Type      | Null | Key | Default | Extra      |
```

```
+-----+-----+-----+-----+-----+-----+
```

```
| InvoiceID   | int       | NO   | PRI | NULL    | auto_increment |
```

```
| Date       | date      | YES  |     | NULL    |                |
```

```
| PickupTime | time      | YES  |     | NULL    |                |
```

```
| DropOffTime | time      | YES  |     | NULL    |                |
```

```
| Destination | text      | YES  |     | NULL    |                |
```

```
| DriverID   | int       | YES  | MUL | NULL    |                |
```

```
| OwnerID    | int       | YES  | MUL | NULL    |                |
```

```
| PetID      | int       | YES  | MUL | NULL    |                |
```

```
| ServiceID  | int       | YES  | MUL | NULL    |                |
```

```
+-----+-----+-----+-----+-----+-----+
```

9 rows in set (0.00 sec)

```
mysql> select * from Invoice;
```

InvoiceID	Date	PickUpTime	DropOffTime	Destination	DriverID	OwnerID	PetID	ServiceID
1	2023-06-10	00:13:00	00:13:30	Wedding	1	1	1	1
2	2023-12-15	00:09:00	00:10:00	Party	2	2	2	2
3	2023-05-13	00:06:00	00:06:45	UNA	3	3	3	3

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

```
mysql> describe Owner;
```

Field	Type	Null	Key	Default	Extra
Ownerid	int	NO	PRI	NULL	auto_increment
OwnerF	varchar(20)	YES		NULL	
OwnerL	varchar(20)	YES		NULL	
Phonenum	int	YES		NULL	
Address	text	YES		NULL	

```
5 rows in set (0.01 sec)
```

```
mysql> select * from Owner;
```

Ownerid	OwnerF	OwnerL	Phonenum	Address
1	Luke	Cheatham	2	123 Main St.
2	Karl	Hildebrand	7	124 Main St.
3	Paul	Hildebrand	8	125 Main St.

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

```
mysql> describe Pet;
```

Field	Type	Null	Key	Default	Extra
Petid	int	NO	PRI	NULL	auto_increment
PetF	varchar(20)	YES		NULL	
PetL	varchar(20)	YES		NULL	
Bread	varchar(20)	YES		NULL	
Weight	int	YES		NULL	
Birthday	date	YES		NULL	
Ownerid	int	YES	MUL	NULL	

```
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> select * from Pet;
```

```
+-----+-----+-----+-----+-----+-----+-----+
| Petid | PetF   | PetL   | Breed          | Weight | Birthday | Ownerid |
+-----+-----+-----+-----+-----+-----+-----+
| 1     | Aria   | Hildebrand | Boarder heeler | 55     | 2018-06-10 | 1       |
| 2     | Pawket | Hildebrand | Teacup chihuahua | 9      | 2018-06-17 | 2       |
| 3     | Furrari | Hildebrand | Teacup chihuahua | 7      | 2018-10-13 | 3       |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> describe Service;
```

```
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra      |
+-----+-----+-----+-----+-----+-----+
| ServiceID  | int       | NO   | PRI | NULL    | auto_increment |
| price      | decimal(6,2) | YES  |     | NULL    |              |
| ServiceType | text      | YES  |     | NULL    |              |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> select from Service;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'from Service' at line 1

```
mysql> select * from Service;
```

```
+-----+-----+-----+
| ServiceID | price | ServiceType |
+-----+-----+-----+
| 1         | 23.00 | drive       |
| 2         | 67.00 | drive       |
| 3         | 17.00 | drive       |
+-----+-----+-----+
3 rows in set (0.00 sec)
```