**Ch3-SQL-Where**

**In-Class:** Chapter 3 SQL WHERE Clause - In-Class \_\_\_ \_\_\_ \_\_

Use the following tables for your answers:

* PET\_OWNER (OwnerID, OwnerLastName, OwnerFirstName, OwnerPhone, OwnerEmail)
* PET (PetID, PetName, PetType, PetBreed, PetDOB, *OwnerID*)

Sample data for these tables are shown below. For each SQL statement you write, show the results based on these data.

**PET\_OWNER Data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **OwnerID** | **OwnerLastName** | **OwnerFirstName** | **OwnerPhone** | **OwnerEmail** |
| 1 | Downs | Marsha | 555-537-8765 | marsha@sw.com |
| 2 | James | Richard | 555-537-7654 | richard@sw.com |
| 3 | Frier | Liz | 555-537-6543 | liz@sw.com |
| 4 | Trent | Miles |  | miles@sw.com |

**PET Data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PetID** | **PetName** | **PetType** | **PetBreed** | **PetDOB** | **OwnerID** |
| 1 | King | Dog | Std. Poodle | 27-Feb-11 | 1 |
| 2 | Teddy | Cat | Cashmier | 01-Feb-12 | 2 |
| 3 | Fido | Dog | Std. Poodle | 17-Jul-10 | 1 |
| 4 | AJ | Dog | Collie Mix | 05-May-11 | 3 |
| 5 | Cedro | Cat | Unknown | 06-Jun-09 | 2 |
| 6 | Woolley | Cat | Unknown |  | 2 |
| 7 | Buster | Dog | Border Collie | 11-Dec-08 | 4 |

**Question 1:** Write an SQL statement to display the PetID, PetBreed, and PetType for all pets having a four-character PetName starting with K.

SELECT PetID, PetBreed, PetType

FROM PET

WHERE PetName LIKE ‘K\_\_\_’; /\* 3 underscores \*/

|  |  |  |
| --- | --- | --- |
| **PetID** | **PetBreed** | **PetType** |
| 1 | Std. Poodle | Dog |

**Question 2:** Write an SQL statement to display the OwnerLastName, OwnerFirstName and OwnerEmail of all owners who have an email address ending with sw.com. Assume that email account names can be any number of characters.

SELECT OwnerLastName, OwnerFirstName, OwnerEmail

FROM PET\_OWNER

WHERE OwnerEmail LIKE ‘%sw.com’;

|  |  |  |
| --- | --- | --- |
| **OwnerLastName** | **OwnerFirstName** | **OwnerEmail** |
| Downs | Marsha | [marsha@sw.com](mailto:marsha@sw.com) |
| James | Richard | [richard@sw.com](mailto:richard@sw.com) |
| Trent | Miles | [miles@sw.com](mailto:miles@sw.com) |
| Frier | Liz | [liz@sw.com](mailto:liz@sw.com) |

**Question 3:** Write an SQL statement to display the OwnerLastName, OwnerFirstName and OwnerEmail of any owner who has a NULL value for OwnerPhone.

SELECT OwnerLastName, OwnerFirstName, OwnerEmail

FROM PET\_OWNER

WHERE OwnerPhone IS NULL;

|  |  |  |
| --- | --- | --- |
| **OwnerLastName** | **OwnerFirstName** | **OwnerEmail** |
| Trent | Miles | [miles@sw.com](mailto:miles@sw.com) |

**Question 4:** Write an SQL statement to display the PetName and PetBreed of all pets sorted by PetName.

SELECT PetName, PetBreed

FROM PET

ORDER BY PetName;

|  |  |
| --- | --- |
| **PetName** | **PetBreed** |
| AJ | Collie Mix |
| Buster | Border Collie |
| Cedro | Unknown |
| Fido | Std. Poodle |
| King | Std. Poodle |
| Teddy | Cashmier |
| Woolley | Unknown |

**Question 5:** Write an SQL statement to display the PetName and PetBreed of all pets sorted by PetBreed in ascending order and by PetName in descending order within PetBreed.

SELECT PetName, PetBreed

FROM PET

ORDER BY PetBreed ASC, PetName DESC;

|  |  |
| --- | --- |
| **PetName** | **PetBreed** |
| Buster | Border Collie |
| Teddy | Cashmier |
| AJ | Collie Mix |
| King | Std. Poodle |
| Fido | Std. Poodle |
| Woolley | Unknown |
| Cedro | Unknown |