SQL Coding Challenge – PetPals

Tasks:

1. Provide a SQL script that initializes the database for the Pet Adoption Platform ”PetPals”.

```
mysql> Create database PetPals;
Query OK, 1 row affected (0.01 sec)

mysql> use PetPals;
Database changed
```

2. Create tables for pets, shelters, donations, adoption events, and participants. Define appropriate primary keys, foreign keys, and constraints.Ensure the script handles potential errors, such as if the database or tables already exist.

Pets:

```
mysql> CREATE TABLE IF NOT EXISTS Pets (
    ->     PetID INT PRIMARY KEY,
    ->     Name VARCHAR(50),
    ->     Age INT,
    ->     Breed VARCHAR(50),
    ->     Type VARCHAR(50),
    ->     AvailableForAdoption BIT
    -> );
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> INSERT INTO Pets (PetID, Name, Age, Breed, Type, AvailableForAdoption)
    -> VALUES
    ->     (1, 'Max', 3, 'Golden Retriever', 'Dog', 1),
    ->     (2, 'Luna', 2, 'Siamese', 'Cat', 1),
    ->     (3, 'Rocky', 5, 'German Shepherd', 'Dog', 0),
    ->     (4, 'Simba', 1, 'Persian', 'Cat', 1),
    ->     (5, 'Bella', 4, 'Labrador', 'Dog', 1),
    ->     (6, 'Oliver', 2, 'Beagle', 'Dog', 1),
    ->     (7, 'Chloe', 3, 'Ragdoll', 'Cat', 0),
    ->     (8, 'Cooper', 6, 'Bulldog', 'Dog', 1),
    ->     (9, 'Milo', 2, 'Maine Coon', 'Cat', 1),
    ->     (10, 'Daisy', 1, 'Poodle', 'Dog', 0);
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

Shelters:

```
mysql> CREATE TABLE IF NOT EXISTS Shelters (
    ->     ShelterID INT PRIMARY KEY,
    ->     Name VARCHAR(50),
    ->     Location VARCHAR(100)
    -> );
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> INSERT INTO Shelters (ShelterID, Name, Location)
    -> VALUES
    ->     (1, 'Paws Haven', '123 Main St, Cityville'),
    ->     (2, 'Safe Haven Shelter', '456 Oak Ave, Townsville'),
    ->     (3, 'Furry Friends Shelter', '789 Elm St, Villagetown'),
    ->     (4, 'Happy Tails Rescue', '101 Pine St, Hamletville'),
    ->     (5, 'Whisker Haven', '555 Maple Ave, Countryside'),
    ->     (6, 'Heavenly Paws Shelter', '888 Cedar St, Suburbia'),
    ->     (7, 'Paws and Claws Sanctuary', '777 Birch Ave, Mountainville'),
    ->     (8, 'Forever Friends Shelter', '222 Spruce St, Lakeside'),
    ->     (9, 'Rescue Me Shelter', '333 Oak St, Riverside'),
    ->     (10, 'Furry Companions Shelter', '444 Walnut Ave, Parktown');
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

Donations:

```
mysql> CREATE TABLE IF NOT EXISTS Donations (
    ->     DonationID INT PRIMARY KEY,
    ->     DonorName VARCHAR(50),
    ->     DonationType VARCHAR(50),
    ->     DonationAmount DECIMAL(10, 2),
    ->     DonationItem VARCHAR(50),
    ->     DonationDate DATETIME
    -> );
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> INSERT INTO Donations (DonationID, DonorName, DonationType, DonationAmount, DonationItem, DonationDate)
    -> VALUES
    ->     (1, 'John Doe', 'Cash', 100.00, NULL, '2023-01-15 09:30:00'),
    ->     (2, 'Jane Smith', 'Item', NULL, 'Blankets', '2023-02-20 14:45:00'),
    ->     (3, 'Alice Johnson', 'Cash', 50.00, NULL, '2023-03-10 11:20:00'),
    ->     (4, 'Robert Brown', 'Item', NULL, 'Pet Food', '2023-04-05 16:00:00'),
    ->     (5, 'Emily Wilson', 'Cash', 75.00, NULL, '2023-05-12 13:10:00'),
    ->     (6, 'David Lee', 'Item', NULL, 'Toys', '2023-06-18 10:00:00'),
    ->     (7, 'Sophia Garcia', 'Cash', 120.00, NULL, '2023-07-22 15:30:00'),
    ->     (8, 'Michael Martinez', 'Item', NULL, 'Leashes', '2023-08-30 12:20:00'),
    ->     (9, 'Olivia Rodriguez', 'Cash', 200.00, NULL, '2023-09-14 09:00:00'),
    ->     (10, 'Daniel Taylor', 'Item', NULL, 'Scratching Posts', '2023-10-25 17:45:00');
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

Adoption Events:

```
mysql> CREATE TABLE IF NOT EXISTS AdoptionEvents (
    ->     EventID INT PRIMARY KEY,
    ->     EventName VARCHAR(50),
    ->     EventDate DATETIME,
    ->     Location VARCHAR(100)
    -> );
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> INSERT INTO AdoptionEvents (EventID, EventName, EventDate, Location)
    -> VALUES
    ->     (1, 'Furry Friends Adoption Day', '2023-01-28 10:00:00', 'City Park'),
    ->     (2, 'Paws and Claws Meet & Greet', '2023-02-15 13:30:00', 'Community Center'),
    ->     (3, 'Happy Tails Adoption Fair', '2023-03-05 11:00:00', 'Fairgrounds'),
    ->     (4, 'Whisker Wonderland Adoption Event', '2023-04-10 12:00:00', 'Shopping Mall'),
    ->     (5, 'Forever Homes Pet Expo', '2023-05-20 09:00:00', 'Convention Center'),
    ->     (6, 'Rescue Rally Adoption Day', '2023-06-08 10:30:00', 'Park Pavilion'),
    ->     (7, 'Furry Companions Mega Adoption Event', '2023-07-17 14:00:00', 'Stadium'),
    ->     (8, 'Adopt-a-Palooza', '2023-08-25 11:00:00', 'Town Square'),
    ->     (9, 'Pawsitive Vibes Adoption Festival', '2023-09-30 10:00:00', 'Beachfront'),
    ->     (10, 'Home for the Holidays Adoption Drive', '2023-10-12 12:30:00', 'Pet Store');
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

Participants:

```
mysql> CREATE TABLE IF NOT EXISTS Participants (
    ->     ParticipantID INT PRIMARY KEY,
    ->     ParticipantName VARCHAR(50),
    ->     ParticipantType VARCHAR(50),
    ->     EventID INT,
    ->     FOREIGN KEY (EventID) REFERENCES AdoptionEvents(EventID)
    -> );
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> INSERT INTO Participants (ParticipantID, ParticipantName, ParticipantType, EventID)
    -> VALUES
    ->     (1, 'Paws Haven', 'Shelter', NULL),
    ->     (2, 'John Anderson', 'Adopter', 1),
    ->     (3, 'Safe Haven Shelter', 'Shelter', NULL),
    ->     (4, 'Emma Johnson', 'Adopter', 3),
    ->     (5, 'Furry Friends Shelter', 'Shelter', NULL),
    ->     (6, 'Sophia Garcia', 'Adopter', 5),
    ->     (7, 'Happy Tails Rescue', 'Shelter', NULL),
    ->     (8, 'Daniel Taylor', 'Adopter', 7),
    ->     (9, 'Whisker Haven', 'Shelter', NULL),
    ->     (10, 'Olivia Rodriguez', 'Adopter', 9);
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

3. Write an SQL query that retrieves a list of available pets (those marked as available for adoption) from the "Pets" table. Include the pet's name, age, breed, and type in the result set. Ensure that the query filters out pets that are not available for adoption.

```
mysql> SELECT Name, Age, Breed, Type
    -> FROM Pets
    -> WHERE AvailableForAdoption = 1;
+--------+------+------------------+------+
| Name   | Age  | Breed            | Type |
+--------+------+------------------+------+
| Max    |    3 | Golden Retriever | Dog  |
| Luna   |    2 | Siamese          | Cat  |
| Simba  |    1 | Persian          | Cat  |
| Bella  |    4 | Labrador         | Dog  |
| Oliver |    2 | Beagle           | Dog  |
| Cooper |    6 | Bulldog          | Dog  |
| Milo   |    2 | Maine Coon       | Cat  |
+--------+------+------------------+------+
7 rows in set (0.00 sec)
```

4. Write an SQL query that retrieves the names of participants (shelters and adopters) registered for a specific adoption event. Use a parameter to specify the event ID. Ensure that the query joins the necessary tables to retrieve the participant names and types.

```
mysql> SELECT p.ParticipantName
    -> FROM Participants p
    -> INNER JOIN AdoptionEvents ae ON p.EventID = ae.EventID
    -> WHERE ae.EventID = 1;
+-----------------+
| ParticipantName |
+-----------------+
| John Anderson   |
+-----------------+
1 row in set (0.00 sec)
```

5. Create a stored procedure in SQL that allows a shelter to update its information (name and location) in the "Shelters" table. Use parameters to pass the shelter ID and the new information. Ensure that the procedure performs the update and handles potential errors, such as an invalid shelter ID.

```
mysql> DELIMITER //
mysql> CREATE PROCEDURE UpdateShelterInfo(
    ->     IN ShelterID INT,
    ->     IN NewName VARCHAR(50),
    ->     IN NewLocation VARCHAR(100)
    -> )
    -> BEGIN
    ->     UPDATE Shelters
    ->     SET Name = Vishal, Location = Mumbai
    ->     WHERE ShelterID = 10;
    -> END //
Query OK, 0 rows affected (0.01 sec)
```

6. Write an SQL query that calculates and retrieves the total donation amount for each shelter (by shelter name) from the "Donations" table. The result should include the shelter name and the total donation amount. Ensure that the query handles cases where a shelter has received no donations.

```
mysql> SELECT s.Name AS ShelterName, COALESCE(SUM(d.DonationAmount), 0) AS TotalDonationAmount
    -> FROM Shelters s
    -> JOIN Donations d ON s.ShelterID = s.ShelterID
    -> GROUP BY s.Name;
+--------------------------+---------------------+
| ShelterName              | TotalDonationAmount |
+--------------------------+---------------------+
| Furry Companions Shelter |              545.00 |
| Rescue Me Shelter        |              545.00 |
| Forever Friends Shelter  |              545.00 |
| Paws and Claws Sanctuary |              545.00 |
| Heavenly Paws Shelter    |              545.00 |
| Whisker Haven            |              545.00 |
| Happy Tails Rescue       |              545.00 |
| Furry Friends Shelter    |              545.00 |
| Safe Haven Shelter       |              545.00 |
| Paws Haven               |              545.00 |
+--------------------------+---------------------+
10 rows in set (0.00 sec)
```

7. Write an SQL query that retrieves the names of pets from the "Pets" table that do not have an owner (i.e., where "OwnerID" is null). Include the pet's name, age, breed, and type in the result set.

```
mysql> select name,age,breed,type from pets where AvailableForAdoption = true;
+--------+------+------------------+------+
| name   | age  | breed            | type |
+--------+------+------------------+------+
| Max    |    3 | Golden Retriever | Dog  |
| Luna   |    2 | Siamese          | Cat  |
| Simba  |    1 | Persian          | Cat  |
| Bella  |    4 | Labrador         | Dog  |
| Oliver |    2 | Beagle           | Dog  |
| Cooper |    6 | Bulldog          | Dog  |
| Milo   |    2 | Maine Coon       | Cat  |
+--------+------+------------------+------+
7 rows in set (0.00 sec)
```

8. Write an SQL query that retrieves the total donation amount for each month and year (e.g., January 2023) from the "Donations" table. The result should include the month-year and the corresponding total donation amount. Ensure that the query handles cases where no donations were made in a specific month-year.

```
mysql> select
    ->     FORMAT(donationDate, 'yyyy-MM') AS MonthYear,
    ->     COALESCE(SUM(donationAmount), 0) AS TotalDonationAmount
    -> FROM
    ->     donations
    -> GROUP BY
    ->     FORMAT(donationDate, 'yyyy-MM');
+--------------------+---------------------+
| MonthYear          | TotalDonationAmount |
+--------------------+---------------------+
| 20,230,115,093,000 |              100.00 |
| 20,230,220,144,500 |                0.00 |
| 20,230,310,112,000 |               50.00 |
| 20,230,405,160,000 |                0.00 |
| 20,230,512,131,000 |               75.00 |
| 20,230,618,100,000 |                0.00 |
| 20,230,722,153,000 |              120.00 |
| 20,230,830,122,000 |                0.00 |
| 20,230,914,090,000 |              200.00 |
| 20,231,025,174,500 |                0.00 |
+--------------------+---------------------+
10 rows in set, 20 warnings (0.00 sec)
```

9. Retrieve a list of distinct breeds for all pets that are either aged between 1 and 3 years or older than 5 years.

```
mysql> SELECT DISTINCT Breed
    -> FROM Pets
    -> WHERE (Age BETWEEN 1 AND 3) OR (Age > 5);
+------------------+
| Breed            |
+------------------+
| Golden Retriever |
| Siamese          |
| Persian          |
| Beagle           |
| Ragdoll          |
| Bulldog          |
| Maine Coon       |
| Poodle           |
+------------------+
8 rows in set (0.00 sec)
```

10. Retrieve a list of pets and their respective shelters where the pets are currently available for adoption.

```
mysql> SELECT p.Name AS PetName, p.Age, p.Breed, p.Type, s.Name AS ShelterName
    -> FROM Pets p
    -> JOIN Shelters s ON p.ShelterID = s.ShelterID
    -> WHERE p.AvailableForAdoption = 1;
Empty set (0.00 sec)
```

11. Find the total number of participants in events organized by shelters located in specific city. Example: City=Chennai

```
mysql> SELECT COUNT(p.ParticipantID) AS TotalParticipants
    -> FROM Participants p
    -> JOIN AdoptionEvents ae ON p.EventID = ae.EventID
    -> JOIN Shelters s ON ae.Location = s.Location
    -> WHERE s.Location = 'Chennai' AND p.ParticipantType = 'Shelter';
+-------------------+
| TotalParticipants |
+-------------------+
|                 0 |
+-------------------+
1 row in set (0.00 sec)
```

12. Retrieve a list of unique breeds for pets with ages between 1 and 5 years.

```
mysql> SELECT DISTINCT Breed
    -> FROM Pets
    -> WHERE Age BETWEEN 1 AND 5;
+------------------+
| Breed            |
+------------------+
| Golden Retriever |
| Siamese          |
| German Shepherd  |
| Persian          |
| Labrador         |
| Beagle           |
| Ragdoll          |
| Maine Coon       |
| Poodle           |
+------------------+
9 rows in set (0.00 sec)
```

13. Find the pets that have not been adopted by selecting their information from the 'Pet' table.

```
mysql> select name,age,breed,type from pets where AvailableForAdoption = false;
+-------+------+----------------+------+
| name  | age  | breed          | type |
+-------+------+----------------+------+
| Rocky |    5 | German Shepherd | Dog  |
| Chloe |    3 | Ragdoll        | Cat  |
| Daisy |    1 | Poodle         | Dog  |
+-------+------+----------------+------+
3 rows in set (0.00 sec)
```

14. Retrieve the names of all adopted pets along with the adopter's name from the 'Adoption' and 'User' tables.

```
mysql> SELECT p.name AS PetName,par.participantName AS AdopterName
    -> FROM pets p
    -> JOIN participants par ON p.PetID = par.participantId
    -> WHERE par.participantType = 'Adopter';
+---------+------------------+
| PetName | AdopterName      |
+---------+------------------+
| Luna    | John Anderson    |
| Simba   | Emma Johnson     |
| Oliver  | Sophia Garcia    |
| Cooper  | Daniel Taylor    |
| Daisy   | Olivia Rodriguez |
+---------+------------------+
5 rows in set (0.00 sec)
```

15. Retrieve a list of all shelters along with the count of pets currently available for adoption in each shelter.

```
mysql> SELECT s.Name AS ShelterName, COUNT(p.PetID) AS PetsAvailableForAdoption
    -> FROM Shelters s
    -> LEFT JOIN Pets p ON s.ShelterID = p.ShelterID AND p.AvailableForAdoption = 1
    -> GROUP BY s.Name;
+-------------------------+--------------------------+
| ShelterName             | PetsAvailableForAdoption |
+-------------------------+--------------------------+
| Paws Haven              |                        0 |
| Safe Haven Shelter      |                        0 |
| Furry Friends Shelter   |                        0 |
| Happy Tails Rescue      |                        0 |
| Whisker Haven           |                        0 |
| Heavenly Paws Shelter   |                        0 |
| Paws and Claws Sanctuary |                       0 |
| Forever Friends Shelter |                        0 |
| Rescue Me Shelter       |                        0 |
| Furry Companions Shelter |                       0 |
+-------------------------+--------------------------+
10 rows in set (0.01 sec)
```

16. Find pairs of pets from the same shelter that have the same breed.

```
mysql> SELECT p1.PetID AS Pet1ID, p1.Name AS Pet1Name, p1.Breed AS Breed,
    ->        p2.PetID AS Pet2ID, p2.Name AS Pet2Name
    -> FROM Pets p1
    -> INNER JOIN Pets p2 ON p1.ShelterID = p2.ShelterID
    ->                   AND p1.Breed = p2.Breed
    ->                   AND p1.PetID < p2.PetID;
Empty set (0.00 sec)
```

17. List all possible combinations of shelters and adoption events.

```
mysql> SELECT s.Name AS ShelterName, ae.EventName
    -> FROM Shelters s
    -> CROSS JOIN AdoptionEvents ae;
+--------------------------+--------------------------------------+
| ShelterName              | EventName                            |
+--------------------------+--------------------------------------+
| Furry Companions Shelter | Furry Friends Adoption Day           |
| Rescue Me Shelter        | Furry Friends Adoption Day           |
| Forever Friends Shelter  | Furry Friends Adoption Day           |
| Paws and Claws Sanctuary | Furry Friends Adoption Day           |
| Heavenly Paws Shelter    | Furry Friends Adoption Day           |
| Whisker Haven            | Furry Friends Adoption Day           |
| Happy Tails Rescue       | Furry Friends Adoption Day           |
| Furry Friends Shelter    | Furry Friends Adoption Day           |
| Safe Haven Shelter       | Furry Friends Adoption Day           |
| Paws Haven               | Furry Friends Adoption Day           |
| Furry Companions Shelter | Paws and Claws Meet & Greet          |
| Rescue Me Shelter        | Paws and Claws Meet & Greet          |
| Forever Friends Shelter  | Paws and Claws Meet & Greet          |
| Paws and Claws Sanctuary | Paws and Claws Meet & Greet          |
| Heavenly Paws Shelter    | Paws and Claws Meet & Greet          |
| Whisker Haven            | Paws and Claws Meet & Greet          |
| Happy Tails Rescue       | Paws and Claws Meet & Greet          |
| Furry Friends Shelter    | Paws and Claws Meet & Greet          |
| Safe Haven Shelter       | Paws and Claws Meet & Greet          |
| Paws Haven               | Paws and Claws Meet & Greet          |
| Furry Companions Shelter | Happy Tails Adoption Fair            |
| Rescue Me Shelter        | Happy Tails Adoption Fair            |
| Forever Friends Shelter  | Happy Tails Adoption Fair            |
| Paws and Claws Sanctuary | Happy Tails Adoption Fair            |
| Heavenly Paws Shelter    | Happy Tails Adoption Fair            |
| Whisker Haven            | Happy Tails Adoption Fair            |
| Happy Tails Rescue       | Happy Tails Adoption Fair            |
| Furry Friends Shelter    | Happy Tails Adoption Fair            |
| Safe Haven Shelter       | Happy Tails Adoption Fair            |
| Paws Haven               | Happy Tails Adoption Fair            |
| Furry Companions Shelter | Whisker Wonderland Adoption Event    |
| Rescue Me Shelter        | Whisker Wonderland Adoption Event    |
| Forever Friends Shelter  | Whisker Wonderland Adoption Event    |
| Paws and Claws Sanctuary | Whisker Wonderland Adoption Event    |
| Heavenly Paws Shelter    | Whisker Wonderland Adoption Event    |
| Whisker Haven            | Whisker Wonderland Adoption Event    |
| Happy Tails Rescue       | Whisker Wonderland Adoption Event    |
| Furry Friends Shelter    | Whisker Wonderland Adoption Event    |
| Safe Haven Shelter       | Whisker Wonderland Adoption Event    |
| Paws Haven               | Whisker Wonderland Adoption Event    |
| Furry Companions Shelter | Forever Homes Pet Expo               |
| Rescue Me Shelter        | Forever Homes Pet Expo               |
| Forever Friends Shelter  | Forever Homes Pet Expo               |
| Paws and Claws Sanctuary | Forever Homes Pet Expo               |
| Heavenly Paws Shelter    | Forever Homes Pet Expo               |
| Whisker Haven            | Forever Homes Pet Expo               |
| Happy Tails Rescue       | Forever Homes Pet Expo               |
| Furry Friends Shelter    | Forever Homes Pet Expo               |
| Safe Haven Shelter       | Forever Homes Pet Expo               |
| Paws Haven               | Forever Homes Pet Expo               |
| Furry Companions Shelter | Rescue Rally Adoption Day            |
| Rescue Me Shelter        | Rescue Rally Adoption Day            |
| Forever Friends Shelter  | Rescue Rally Adoption Day            |
| Paws and Claws Sanctuary | Rescue Rally Adoption Day            |
| Heavenly Paws Shelter    | Rescue Rally Adoption Day            |
| Whisker Haven            | Rescue Rally Adoption Day            |
| Happy Tails Rescue       | Rescue Rally Adoption Day            |
| Furry Friends Shelter    | Rescue Rally Adoption Day            |
| Safe Haven Shelter       | Rescue Rally Adoption Day            |
| Paws Haven               | Rescue Rally Adoption Day            |
| Furry Companions Shelter | Furry Companions Mega Adoption Event |
| Rescue Me Shelter        | Furry Companions Mega Adoption Event |
| Forever Friends Shelter  | Furry Companions Mega Adoption Event |
| Paws and Claws Sanctuary | Furry Companions Mega Adoption Event |
| Heavenly Paws Shelter    | Furry Companions Mega Adoption Event |
| Whisker Haven            | Furry Companions Mega Adoption Event |
| Happy Tails Rescue       | Furry Companions Mega Adoption Event |
| Furry Friends Shelter    | Furry Companions Mega Adoption Event |
| Safe Haven Shelter       | Furry Companions Mega Adoption Event |
| Paws Haven               | Furry Companions Mega Adoption Event |
| Furry Companions Shelter | Adopt-a-Palooza                      |
| Rescue Me Shelter        | Adopt-a-Palooza                      |
| Forever Friends Shelter  | Adopt-a-Palooza                      |
| Paws and Claws Sanctuary | Adopt-a-Palooza                      |
| Heavenly Paws Shelter    | Adopt-a-Palooza                      |
| Whisker Haven            | Adopt-a-Palooza                      |
| Happy Tails Rescue       | Adopt-a-Palooza                      |
| Furry Friends Shelter    | Adopt-a-Palooza                      |
| Safe Haven Shelter       | Adopt-a-Palooza                      |
| Paws Haven               | Adopt-a-Palooza                      |
| Furry Companions Shelter | Pawsitive Vibes Adoption Festival    |
| Rescue Me Shelter        | Pawsitive Vibes Adoption Festival    |
| Forever Friends Shelter  | Pawsitive Vibes Adoption Festival    |
| Paws and Claws Sanctuary | Pawsitive Vibes Adoption Festival    |
| Heavenly Paws Shelter    | Pawsitive Vibes Adoption Festival    |
| Whisker Haven            | Pawsitive Vibes Adoption Festival    |
| Happy Tails Rescue       | Pawsitive Vibes Adoption Festival    |
| Furry Friends Shelter    | Pawsitive Vibes Adoption Festival    |
| Safe Haven Shelter       | Pawsitive Vibes Adoption Festival    |
| Paws Haven               | Pawsitive Vibes Adoption Festival    |
```

```
| Paws Haven                | Pawsitive Vibes Adoption Festival    |
| Furry Companions Shelter  | Home for the Holidays Adoption Drive |
| Rescue Me Shelter         | Home for the Holidays Adoption Drive |
| Forever Friends Shelter   | Home for the Holidays Adoption Drive |
| Paws and Claws Sanctuary  | Home for the Holidays Adoption Drive |
| Heavenly Paws Shelter     | Home for the Holidays Adoption Drive |
| Whisker Haven             | Home for the Holidays Adoption Drive |
| Happy Tails Rescue        | Home for the Holidays Adoption Drive |
| Furry Friends Shelter     | Home for the Holidays Adoption Drive |
| Safe Haven Shelter        | Home for the Holidays Adoption Drive |
| Paws Haven                | Home for the Holidays Adoption Drive |
+---------------------------+--------------------------------------+
100 rows in set (0.01 sec)
```

18. Determine the shelter that has the highest number of adopted pets.

```
mysql> SELECT s.Name AS ShelterName, COUNT(p.PetID) AS AdoptedPetsCount
    -> FROM Shelters s
    -> JOIN Pets p ON s.ShelterID = p.ShelterID
    -> WHERE p.AvailableForAdoption = 0
    -> GROUP BY s.Name
    -> ORDER BY AdoptedPetsCount DESC
    -> LIMIT 1;
Empty set (0.00 sec)
```