

## **Coding Challenges - PetPals, The Pet Adoption Platform**

**Create SQL Schema from the pet and user class, use the class attributes for table column names.**

**SQL Schema:**

### **Table: Pets**

#### **Attributes:**

- PetID (Primary Key, int): Unique identifier for each pet.
- Name (string): The name of the pet.
- Age (int): The age of the pet.
- Breed (string): The breed of the pet.
- Type (string): Type of pet (e.g., "Dog," "Cat").
- AvailableForAdoption (bit): Indicates whether the pet is available for adoption (0 for not available, 1 for available).

### **Table: Shelters**

#### **Attributes:**

- ShelterID (Primary Key, int): Unique identifier for each shelter.
- Name (string): The name of the shelter.
- Location (string): The location or address of the shelter.

### **Table: Donations**

#### **Attributes:**

- DonationID (Primary Key, int): Unique identifier for each donation.
- DonorName (string): The name of the donor.
- DonationType (string): Type of donation (e.g., "Cash," "Item").
- DonationAmount (decimal): The amount donated (for cash donations).
- DonationItem (string): The type of item donated (for item donations).
- DonationDate (datetime): Date and time of the donation.

**Table: AdoptionEvents****Attributes:**

- EventID (Primary Key, int): Unique identifier for each adoption event.
- EventName (string): The name or title of the event.
- EventDate (datetime): Date and time of the event.
- Location (string): The location or venue of the event.

**Table: Participants****Attributes:**

- ParticipantID (Primary Key, int): Unique identifier for each participant.
- ParticipantName (string): The name of the participant (shelter or adopter).
- ParticipantType (string): Type of participant (e.g., "Shelter," "Adopter").
- EventID (Foreign Key, int): References the EventID of the associated adoption event (if applicable)

## TASKS:

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

**Query:** //For initialising the database we need to create the database//

Create Database PetPals;

```
mysql> create database PetPals;  
Query OK, 1 row affected (0.03 sec)
```

Show databases;

```
mysql> show databases;  
+-----+  
| Database |  
+-----+  
| carconnect |  
| hexadb |  
| information_schema |  
| mysql |  
| performance_schema |  
| petpals |  
| practice |  
| sakila |  
| sys |  
| techshop |  
| world |  
+-----+  
11 rows in set (0.09 sec)
```

2. Create tables for pets, shelters, donations, adoption events, and participants.

**Query:**

//Table for pets//

```
create table Pets (PetID int primary key, Name varchar(30), Age int, Breed  
varchar(30), Type varchar(30), AvailableForAdoption bool);
```

```
mysql> create table Pets (PetID int primary key, Name varchar(30), Age int, Breed varchar(30), Type varchar(30), AvailableForAdoption bool);
Query OK, 0 rows affected (0.06 sec)

mysql> desc pets;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| PetID | int | NO | PRI | NULL | |
| Name | varchar(30) | YES | | NULL | |
| Age | int | YES | | NULL | |
| Breed | varchar(30) | YES | | NULL | |
| Type | varchar(30) | YES | | NULL | |
| AvailableForAdoption | tinyint(1) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.03 sec)
```

//Table for Shelters//

create table Shelters(shelterID int primary key, Name varchar(50), Location varchar(50));

```
mysql> create table Shelters(shelterID int primary key, Name varchar(50), Location varchar(50));
Query OK, 0 rows affected (0.04 sec)

mysql> desc shelters;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| shelterID | int | NO | PRI | NULL | |
| Name | varchar(50) | YES | | NULL | |
| Location | varchar(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

// Table for Donations//

create table Donations(DonationID int primary key, DonorName varchar(30), DonationType varchar(30), DonationAmount decimal, DonationItem varchar(30), DonationDate date);

```
mysql> create table Donations(DonationID int primary key, DonorName varchar(30), DonationType varchar(30), DonationAmount decimal, DonationItem varchar(30), DonationDate date);
Query OK, 0 rows affected (0.03 sec)

mysql> desc Donations;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| DonationID | int | NO | PRI | NULL | |
| DonorName | varchar(30) | YES | | NULL | |
| DonationType | varchar(30) | YES | | NULL | |
| DonationAmount | decimal(10,0) | YES | | NULL | |
| DonationItem | varchar(30) | YES | | NULL | |
| DonationDate | date | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

//Table for AdoptionEvents//

create table AdoptionEvents(EventID int primary key, EventName varchar(50), EventDate date, Location Varchar(50));

```
mysql> create table AdoptionEvents(EventID int primary key,EventName varchar(50),EventDate date,Location Varchar(50));
Query OK, 0 rows affected (0.03 sec)

mysql> desc AdoptionEvents;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| EventID | int | NO | PRI | NULL | |
| EventName | varchar(50) | YES | | NULL | |
| EventDate | date | YES | | NULL | |
| Location | varchar(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

//Table for Participants//

create table participants(ParticipantID int primary key,ParticipantName varchar(50), participantType varchar(50), EventID int);

```
mysql> create table participants(ParticipantID int primary key,ParticipantName varchar(50), participantType varchar(50), EventID int);
Query OK, 0 rows affected (0.03 sec)

mysql> desc participants;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ParticipantID | int | NO | PRI | NULL | |
| ParticipantName | varchar(50) | YES | | NULL | |
| participantType | varchar(50) | YES | | NULL | |
| EventID | int | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

3. Define appropriate primary keys, foreign keys, and constraints.

**Query:**

alter table participants  
add foreign key(EventID) references AdoptionEvents(EventId);

```
mysql> alter table participants
-> add foreign key(EventID) references AdoptionEvents(EventId);
Query OK, 0 rows affected (0.11 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

4. Ensure the script handles potential errors, such as if the database or tables already exist.

**Query:** create table if not exists participants(ParticipantID int primary key,ParticipantName varchar(50), participantType varchar(50), EventID int);

```
mysql> create table if not exists participants(ParticipantID int primary key,ParticipantName varchar(50), participantType varchar(50), EventID int);
Query OK, 0 rows affected, 1 warning (0.01 sec)
```

```

INSERT INTO Pets (PetID, Name, Age, Breed, Type, AvailableForAdoption) VALUES
(1, 'Buddy', 3, 'Labrador Retriever', 'Dog', 1),
(2, 'Whiskers', 2, 'Siamese', 'Cat', 1),
(3, 'Simba', 4, 'Persian', 'Cat', 1),
(4, 'Toddy', 2, 'Golden Retriever', 'Dog', 1),
(5, 'Milo', 3, 'Maine Coon', 'Cat', 0),
(6, 'Rocky', 2, 'Bulldog', 'Dog', 1),
(7, 'Oreo', 2, 'Domestic Shorthair', 'Cat', 1),
(8, 'Bella', 1, 'Ragdoll', 'Cat', 1),
(9, 'Molly', 3, 'Siamese Mix', 'Cat', 1),
(10, 'Cooper', 2, 'Chihuahua', 'Dog', 1);

```

```

mysql> INSERT INTO Pets (PetID, Name, Age, Breed, Type, AvailableForAdoption) VALUES
-> (1, 'Buddy', 3, 'Labrador Retriever', 'Dog', 1),
-> (2, 'Whiskers', 2, 'Siamese', 'Cat', 1),
-> (3, 'Simba', 4, 'Persian', 'Cat', 1),
-> (4, 'Toddy', 2, 'Golden Retriever', 'Dog', 1),
-> (5, 'Milo', 3, 'Maine Coon', 'Cat', 0),
-> (6, 'Rocky', 2, 'Bulldog', 'Dog', 1),
-> (7, 'Oreo', 2, 'Domestic Shorthair', 'Cat', 1),
-> (8, 'Bella', 1, 'Ragdoll', 'Cat', 1),
-> (9, 'Molly', 3, 'Siamese Mix', 'Cat', 1),
-> (10, 'Cooper', 2, 'Chihuahua', 'Dog', 1);
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0

```

```

INSERT INTO Shelters (ShelterID, Name, Location) VALUES
(1, 'Happy Tails Animal Shelter', 'Hyderabad, Andhra Pradesh'),
(2, 'Paws and Claws Rescue', 'Vijayawada, Andhra Pradesh'),
(3, 'Furry Friends Adoption Center', 'Visakhapatnam, Andhra Pradesh'),
(4, 'Safe Haven Animal Sanctuary', 'Guntur, Andhra Pradesh'),
(5, 'Rescue Me Animal Shelter', 'Nellore, Andhra Pradesh'),
(6, 'Forever Home Pet Rescue', 'Kurnool, Andhra Pradesh'),
(7, 'Second Chance Animal Shelter', 'Rajahmundry, Andhra Pradesh'),
(8, 'Loving Hearts Animal Rescue', 'Tirupati, Andhra Pradesh'),
(9, 'Compassionate Care Animal Center', 'Tirupati, Andhra Pradesh'),
(10, 'Hopeful Paws Pet Adoption Center', 'Rajhundry, Andhra Pradesh');

```

```

mysql> INSERT INTO Shelters (ShelterID, Name, Location) VALUES
-> (1, 'Happy Tails Animal Shelter', 'Hyderabad, Andhra Pradesh'),
-> (2, 'Paws and Claws Rescue', 'Vijayawada, Andhra Pradesh'),
-> (3, 'Furry Friends Adoption Center', 'Visakhapatnam, Andhra Pradesh'),
-> (4, 'Safe Haven Animal Sanctuary', 'Guntur, Andhra Pradesh'),
-> (5, 'Rescue Me Animal Shelter', 'Nellore, Andhra Pradesh'),
-> (6, 'Forever Home Pet Rescue', 'Kurnool, Andhra Pradesh'),
-> (7, 'Second Chance Animal Shelter', 'Rajahmundry, Andhra Pradesh'),
-> (8, 'Loving Hearts Animal Rescue', 'Tirupati, Andhra Pradesh'),
-> (9, 'Compassionate Care Animal Center', 'Tirupati, Andhra Pradesh'),
-> (10, 'Hopeful Paws Pet Adoption Center', 'Rajhundry, Andhra Pradesh');
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0

```

```

INSERT INTO Donations (DonationID, DonorName, DonationType, DonationAmount,
DonationItem, DonationDate) VALUES
(1, 'Rahul', 'Cash', 5000.00, NULL, '2024-04-16'),
(2, 'Priya', 'Item', NULL, 'Blankets', '2024-03-13'),
(3, 'Ravi', 'Cash', 2500.00, NULL, '2023-04-17'),
(4, 'Aishwarya', 'Item', NULL, 'Dog Food', '2024-04-17'),
(5, 'Akhila', 'Cash', 1750.50, NULL, '2024-02-16'),
(6, 'Mayuka', 'Cash', 2000.00, NULL, '2024-01-15'),
(7, 'Sneha', 'Item', NULL, 'Toys', '2024-04-15'),
(8, 'Vikram', 'Cash', 3150.00, NULL, '2024-02-14'),
(9, 'Neha', 'Item', NULL, 'Scratching Posts', '2024-04-14'),
(10, 'shivam dube', 'Cash', 7000.00, NULL, '2024-04-13');

```

```

mysql> INSERT INTO Donations (DonationID, DonorName, DonationType, DonationAmount, DonationItem, DonationDate) VALUES
-> (1, 'Rahul', 'Cash', 5000.00, NULL, '2024-04-16'),
-> (2, 'Priya', 'Item', NULL, 'Blankets', '2024-03-13'),
-> (3, 'Ravi', 'Cash', 2500.00, NULL, '2023-04-17'),
-> (4, 'Aishwarya', 'Item', NULL, 'Dog Food', '2024-04-17'),
-> (5, 'Akhila', 'Cash', 1750.50, NULL, '2024-02-16'),
-> (6, 'Mayuka', 'Cash', 2000.00, NULL, '2024-01-15'),
-> (7, 'Sneha', 'Item', NULL, 'Toys', '2024-04-15'),
-> (8, 'Vikram', 'Cash', 3150.00, NULL, '2024-02-14'),
-> (9, 'Neha', 'Item', NULL, 'Scratching Posts', '2024-04-14'),
-> (10, 'shivam dube', 'Cash', 7000.00, NULL, '2024-04-13');
Query OK, 10 rows affected, 1 warning (0.01 sec)
Records: 10 Duplicates: 0 Warnings: 1

```

```

INSERT INTO AdoptionEvents (EventID, EventName, EventDate, Location) VALUES
(1, 'Pet Adoption Drive', '2024-04-20', 'Hyderabad, Andhra Pradesh'),
(2, 'Furry Friends Adoption Fair', '2024-04-21', 'Vijayawada, Andhra Pradesh'),
(3, 'Happy Tails Adoption Event', '2024-04-22', 'Visakhapatnam, Andhra Pradesh'),
(4, 'Paws and Claws Adoption Day', '2024-04-23', 'Guntur, Andhra Pradesh'),
(5, 'Rescue Me Pet Adoption Event', '2024-04-24', 'Nellore, Andhra Pradesh'),
(6, 'Forever Home Adoption Fair', '2024-04-25', 'Kurnool, Andhra Pradesh'),
(7, 'Second Chance Adoption Drive', '2024-04-26', 'Rajahmundry, Andhra Pradesh'),
(8, 'Loving Hearts Adoption Event', '2024-04-27', 'Tirupati, Andhra Pradesh'),
(9, 'Hopeful Paws Adoption Fair', '2024-04-28', 'Rajhmundry, Andhra Pradesh'),
(10, 'Purrfect Haven Adoption Day', '2024-04-29', 'Tirupati, Andhra Pradesh');

```

```

mysql> INSERT INTO AdoptionEvents (EventID, EventName, EventDate, Location) VALUES
-> (1, 'Pet Adoption Drive', '2024-04-20', 'Hyderabad, Andhra Pradesh'),
-> (2, 'Furry Friends Adoption Fair', '2024-04-21', 'Vijayawada, Andhra Pradesh'),
-> (3, 'Happy Tails Adoption Event', '2024-04-22', 'Visakhapatnam, Andhra Pradesh'),
-> (4, 'Paws and Claws Adoption Day', '2024-04-23', 'Guntur, Andhra Pradesh'),
-> (5, 'Rescue Me Pet Adoption Event', '2024-04-24', 'Nellore, Andhra Pradesh'),
-> (6, 'Forever Home Adoption Fair', '2024-04-25', 'Kurnool, Andhra Pradesh'),
-> (7, 'Second Chance Adoption Drive', '2024-04-26', 'Rajahmundry, Andhra Pradesh'),
-> (8, 'Loving Hearts Adoption Event', '2024-04-27', 'Tirupati, Andhra Pradesh'),
-> (9, 'Hopeful Paws Adoption Fair', '2024-04-28', 'Rajhmundry, Andhra Pradesh'),
-> (10, 'Purrfect Haven Adoption Day', '2024-04-29', 'Tirupati, Andhra Pradesh');
Query OK, 10 rows affected (0.02 sec)
Records: 10 Duplicates: 0 Warnings: 0

```

```

INSERT INTO Participants (ParticipantID, ParticipantName, ParticipantType, EventID)
VALUES
(1, 'Happy Tails Animal Shelter', 'Shelter', 1),
(2, 'Paws and Claws Rescue', 'Shelter', 2),
(3, 'Rahul', 'Adopter', 1),
(4, 'Furry Friends Adoption Center', 'Shelter', 3),
(5, 'Ravi', 'Adopter', 3),
(6, 'Safe Haven Animal Sanctuary', 'Shelter', 4),
(7, 'Aishwarya', 'Adopter', 4),
(8, 'Rescue Me Animal Shelter', 'Shelter', 5),
(9, 'Priya ', 'Adopter', 2),
(10, 'Akhil', 'Adopter', 5);

```

```

mysql> INSERT INTO Participants (ParticipantID, ParticipantName, ParticipantType, EventID) VALUES
-> (1, 'Happy Tails Animal Shelter', 'Shelter', 1),
-> (2, 'Paws and Claws Rescue', 'Shelter', 2),
-> (3, 'Rahul', 'Adopter', 1),
-> (4, 'Furry Friends Adoption Center', 'Shelter', 3),
-> (5, 'Ravi', 'Adopter', 3),
-> (6, 'Safe Haven Animal Sanctuary', 'Shelter', 4),
-> (7, 'Aishwarya', 'Adopter', 4),
-> (8, 'Rescue Me Animal Shelter', 'Shelter', 5),
-> (9, 'Priya ', 'Adopter', 2),
-> (10, 'Akhil', 'Adopter', 5);
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0

```

5. 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.

**Query:** select \* from pets where AvailableForAdoption = 1;

```

mysql> select * from pets where AvailableForAdoption=1;

```

PetID	Name	Age	Breed	Type	AvailableForAdoption
1	Buddy	3	Labrador Retriever	Dog	1
2	Whiskers	2	Siamese	Cat	1
3	Simba	4	Persian	Cat	1
4	Toddy	2	Golden Retriever	Dog	1
6	Rocky	2	Bulldog	Dog	1
7	Oreo	2	Domestic Shorthair	Cat	1
8	Bella	1	Ragdoll	Cat	1
9	Molly	3	Siamese Mix	Cat	1
10	Cooper	2	Chihuahua	Dog	1

```

9 rows in set (0.00 sec)

```



6. 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.

**Query:**

select P.participantName, p.ParticipantType from participants as p Inner join AdoptionEvents as A on P.EventID=A.EventId where A.EventID = 4;

```
mysql> select P.participantName, p.ParticipantType from participants as p Inner join AdoptionEvents as A on P.EventID=A.EventId where A.EventID = 4;
```

participantName	ParticipantType
Safe Haven Animal Sanctuary	Shelter
Aishwarya	Adopter

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

7. 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.

**Query:**update shelters

set name='puurfect Haeven', Loaction='Hyderabad, Andhra Pradesh'  
where shelterID=5;

```
mysql> update shelters
-> set name='puurfect Haeven', Location='Hyderabad, Andhra Pradesh'
-> where shelterID=5;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select *from shelters
-> where shelterID=5;
```

shelterID	Name	Location
5	puurfect Haeven	Hyderabad, Andhra Pradesh

```
1 row in set (0.00 sec)
```

8. 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.

### Query:

Select s.name , sum(d.donationAmount) as Totaldonation from shelters s Inner join Donations d on s.ShelterID=d.donatedto group by s.name;

```
mysql> Select s.name , sum(d.donationAmount) as Totaldonation from shelters s Inner join Donations d on s.ShelterID=d.donatedto group by s.name;
```

name	Totaldonation
Happy Tails Animal Shelter	2500
Paws and Claws Rescue	5000
Furry Friends Adoption Center	1751
Safe Haven Animal Sanctuary	NULL
puurfect Haeven	2000
Second Chance Animal Shelter	3150
Compassionate Care Animal Center	7000

7 rows in set (0.00 sec)

9. 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.

### Query:

Select \* from pets where AvailableForAdoption =1;

```
mysql> select * from pets where AvailableForAdoption = 1;
```

PetID	Name	Age	Breed	Type	AvailableForAdoption
1	Buddy	3	Labrador Retriever	Dog	1
2	Whiskers	2	Siamese	Cat	1
3	Simba	4	Persian	Cat	1
4	Toddy	2	Golden Retriever	Dog	1
6	Rocky	2	Bulldog	Dog	1
7	Oreo	2	Domestic Shorthair	Cat	1
8	Bella	1	Ragdoll	Cat	1
9	Molly	3	Siamese Mix	Cat	1
10	Cooper	2	Chihuahua	Dog	1

9 rows in set (0.01 sec)

10. 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

### Query:

Select YEAR(DonationDate) AS DonationYear,MONTH(DonationDate) AS DonationMonth,SUM(DonationAmount) as TotalDonation FROM Donations GROUP BY YEAR(DonationDate),MONTH(DonationDate) ORDER BY YEAR(DonationDate),MONTH(DonationDate);

```
mysql> Select YEAR(DonationDate) AS DonationYear, MONTH(DonationDate) AS DonationMonth, SUM(DonationAmount) as TotalDonation
FROM Donations GROUP BY YEAR(DonationDate), MONTH(DonationDate)
--> ORDER BY YEAR(DonationDate), MONTH(DonationDate);
```

DonationYear	DonationMonth	TotalDonation
2023	4	2500
2024	1	2000
2024	2	4901
2024	3	NULL
2024	4	12000

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

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

#### Query:

select distinct breed from pets where (age between 1 and 3) or (age >5);

```
mysql> select distinct breed from pets where (age between 1 and 3) or (age >5);
```

breed
Labrador Retriever
Siamese
Golden Retriever
Maine Coon
Bulldog
Domestic Shorthair
Ragdoll
Siamese Mix
Chihuahua

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

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

#### Query:

Select p.Name, p.age, p.breed, p.type, s.Name from pets p Inner join shelters s on p.shelterID= s.ShelterID where Availableforadoption =1;

```
mysql> Select p.Name, p.age, p.breed, p.type, s.Name from pets p Inner join shelters s on p.sID= s.ShelterID where Availableforadoption =1;
```

Name	age	breed	type	Name
Buddy	3	Labrador Retriever	Dog	Happy Tails Animal Shelter
Whiskers	2	Siamese	Cat	Hopeful Paws Pet Adoption Center
Simba	4	Persian	Cat	Forever Home Pet Rescue
Toddy	2	Golden Retriever	Dog	Second Chance Animal Shelter
Rocky	2	Bulldog	Dog	puurfect Haeven
Oreo	2	Domestic Shorthair	Cat	Safe Haven Animal Sanctuary
Bella	1	Ragdoll	Cat	Compassionate Care Animal Center
Molly	3	Siamese Mix	Cat	Safe Haven Animal Sanctuary
Cooper	2	Chihuahua	Dog	Paws and Claws Rescue

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

13. Find the total number of participants in events organized by shelters located in specific city.

Example: City=Chennai

#### Query:

```
select count(*) from participants pt
join adoptionevents a on pt.eventId=a.eventId
join shelters s on a.shelter_id=s.shelterId
```

where s.location='Hyderabad,Andhrapradesh';

```
mysql> select count(*) from participants pt
-> join adoptionevents a on pt.eventId=a.eventId
-> join shelters s on a.shelter_id=s.shelterId
-> where s.location=' Hyderabad, Andhra Pradesh';
+-----+
| count(*) |
+-----+
|          0 |
+-----+
1 row in set (0.00 sec)
```

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

**Query:**

select distinct breed from pets where age between 1 and 5;

```
mysql> select distinct breed
-> from pets
-> where age between 1 and 5;
+-----+
| breed |
+-----+
| Labrador Retriever |
| Siamese |
| Persian |
| Golden Retriever |
| Maine Coon |
| Bulldog |
| Domestic Shorthair |
| Ragdoll |
| Siamese Mix |
| Chihuahua |
+-----+
10 rows in set (0.00 sec)
```

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

**Query:** select \* from pets  
where AvailableforAdoption=1;

```
mysql> select * from pets where AvailableforAdoption=1;
```

PetID	Name	Age	Breed	Type	AvailableForAdoption
1	Buddy	3	Labrador Retriever	Dog	1
2	Whiskers	2	Siamese	Cat	1
3	Simba	4	Persian	Cat	1
4	Toddy	2	Golden Retriever	Dog	1
6	Rocky	2	Bulldog	Dog	1
7	Oreo	2	Domestic Shorthair	Cat	1
8	Bella	1	Ragdoll	Cat	1
9	Molly	3	Siamese Mix	Cat	1
10	Cooper	2	Chihuahua	Dog	1

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

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

**Query:**

Select p.Name,pt.ParticipantName from Pets p JOIN Participants pt ON p.PetID=pet\_id where p.AvailableForAdoption=0;

```
mysql> Select p.Name,pt.ParticipantName from Pets p JOIN Participants pt ON p.PetID=pet_id where p.AvailableForAdoption=0;
```

Name	ParticipantName
Milo	Ravi

```
1 row in set (0.00 sec)
```

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

**Query:**

select s.shelterID,s.name,count(p.petId)from shelters s inner join pets p on s.shelterId= p.SID and AvailableforAdoption=1  
group by s.shelterID,s.name;

```
mysql> select s.shelterID,s.name,count(p.petId)from shelters s inner join pets p on s.shelterId= p.SID and AvailableforAdoption=1  
-> group by s.shelterID,s.name;
```

shelterID	name	count(p.petId)
1	Happy Tails Animal Shelter	1
10	Hopeful Paws Pet Adoption Center	1
6	Forever Home Pet Rescue	1
7	Second Chance Animal Shelter	1
5	puurfect Haeven	1
4	Safe Haven Animal Sanctuary	2
9	Compassionate Care Animal Center	1
2	Paws and Claws Rescue	1

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

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

**Query:**

Select p1.name, p2.name,p1.breed from pets p1 inner join petsp2 on p1.petID=p2.petID and p1.breed=p2.breed;

```
mysql> Select p1.name, p2.name,p1.breed from pets p1 inner join pets p2 on p1.petID=p2.petID and p1.breed=p2.breed;
```

name	name	breed
Buddy	Buddy	Labrador Retriever
Whiskers	Whiskers	Siamese
Simba	Simba	Persian
Toddy	Toddy	Golden Retriever
Milo	Milo	Maine Coon
Rocky	Rocky	Bulldog
Oreo	Oreo	Domestic Shorthair
Bella	Bella	Ragdoll
Molly	Molly	Siamese Mix
Cooper	Cooper	Chihuahua

10 rows in set (0.00 sec)

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

**Query:**

Select \* from shelters cross join adaoptionEvents;

```
mysql> select * from shelters cross join AdoptionEvents;
```

shelterID	Name	Location	EventID	EventName	EventDate	Location
10	Hopeful Paws Pet Adoption Center	Rajahmundry, Andhra Pradesh	1	Pet Adoption Drive	2024-04-20	Hyderabad, Andhra Pradesh
9	Compassionate Care Animal Center	Tirupati, Andhra Pradesh	1	Pet Adoption Drive	2024-04-20	Hyderabad, Andhra Pradesh
8	Loving Hearts Animal Rescue	Tirupati, Andhra Pradesh	1	Pet Adoption Drive	2024-04-20	Hyderabad, Andhra Pradesh
7	Second Chance Animal Shelter	Rajahmundry, Andhra Pradesh	1	Pet Adoption Drive	2024-04-20	Hyderabad, Andhra Pradesh
6	Forever Home Pet Rescue	Kurnool, Andhra Pradesh	1	Pet Adoption Drive	2024-04-20	Hyderabad, Andhra Pradesh
5	pawfect Haven	Hyderabad, Andhra Pradesh	1	Pet Adoption Drive	2024-04-20	Hyderabad, Andhra Pradesh
4	Safe Haven Animal Sanctuary	Guntur, Andhra Pradesh	1	Pet Adoption Drive	2024-04-20	Hyderabad, Andhra Pradesh
3	Furry Friends Adoption Center	Visakhapatnam, Andhra Pradesh	1	Pet Adoption Drive	2024-04-20	Hyderabad, Andhra Pradesh
2	Paws and Claws Rescue	Vijayawada, Andhra Pradesh	1	Pet Adoption Drive	2024-04-20	Hyderabad, Andhra Pradesh
1	Happy Tails Animal Shelter	Hyderabad, Andhra Pradesh	1	Pet Adoption Drive	2024-04-20	Hyderabad, Andhra Pradesh
10	Hopeful Paws Pet Adoption Center	Rajahmundry, Andhra Pradesh	2	Furry Friends Adoption Fair	2024-04-21	Vijayawada, Andhra Pradesh
9	Compassionate Care Animal Center	Tirupati, Andhra Pradesh	2	Furry Friends Adoption Fair	2024-04-21	Vijayawada, Andhra Pradesh
8	Loving Hearts Animal Rescue	Tirupati, Andhra Pradesh	2	Furry Friends Adoption Fair	2024-04-21	Vijayawada, Andhra Pradesh
7	Second Chance Animal Shelter	Rajahmundry, Andhra Pradesh	2	Furry Friends Adoption Fair	2024-04-21	Vijayawada, Andhra Pradesh
6	Forever Home Pet Rescue	Kurnool, Andhra Pradesh	2	Furry Friends Adoption Fair	2024-04-21	Vijayawada, Andhra Pradesh
5	pawfect Haven	Hyderabad, Andhra Pradesh	2	Furry Friends Adoption Fair	2024-04-21	Vijayawada, Andhra Pradesh
4	Safe Haven Animal Sanctuary	Guntur, Andhra Pradesh	2	Furry Friends Adoption Fair	2024-04-21	Vijayawada, Andhra Pradesh
3	Furry Friends Adoption Center	Visakhapatnam, Andhra Pradesh	2	Furry Friends Adoption Fair	2024-04-21	Vijayawada, Andhra Pradesh
2	Paws and Claws Rescue	Vijayawada, Andhra Pradesh	2	Furry Friends Adoption Fair	2024-04-21	Vijayawada, Andhra Pradesh
1	Happy Tails Animal Shelter	Hyderabad, Andhra Pradesh	2	Furry Friends Adoption Fair	2024-04-21	Vijayawada, Andhra Pradesh
10	Hopeful Paws Pet Adoption Center	Rajahmundry, Andhra Pradesh	3	Happy Tails Adoption Event	2024-04-22	Visakhapatnam, Andhra Pradesh
9	Compassionate Care Animal Center	Tirupati, Andhra Pradesh	3	Happy Tails Adoption Event	2024-04-22	Visakhapatnam, Andhra Pradesh
8	Loving Hearts Animal Rescue	Tirupati, Andhra Pradesh	3	Happy Tails Adoption Event	2024-04-22	Visakhapatnam, Andhra Pradesh
7	Second Chance Animal Shelter	Rajahmundry, Andhra Pradesh	3	Happy Tails Adoption Event	2024-04-22	Visakhapatnam, Andhra Pradesh
6	Forever Home Pet Rescue	Kurnool, Andhra Pradesh	3	Happy Tails Adoption Event	2024-04-22	Visakhapatnam, Andhra Pradesh
5	pawfect Haven	Hyderabad, Andhra Pradesh	3	Happy Tails Adoption Event	2024-04-22	Visakhapatnam, Andhra Pradesh
4	Safe Haven Animal Sanctuary	Guntur, Andhra Pradesh	3	Happy Tails Adoption Event	2024-04-22	Visakhapatnam, Andhra Pradesh
3	Furry Friends Adoption Center	Visakhapatnam, Andhra Pradesh	3	Happy Tails Adoption Event	2024-04-22	Visakhapatnam, Andhra Pradesh
2	Paws and Claws Rescue	Vijayawada, Andhra Pradesh	3	Happy Tails Adoption Event	2024-04-22	Visakhapatnam, Andhra Pradesh
1	Happy Tails Animal Shelter	Hyderabad, Andhra Pradesh	3	Happy Tails Adoption Event	2024-04-22	Visakhapatnam, Andhra Pradesh
10	Hopeful Paws Pet Adoption Center	Rajahmundry, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
9	Compassionate Care Animal Center	Tirupati, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
8	Loving Hearts Animal Rescue	Tirupati, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
7	Second Chance Animal Shelter	Rajahmundry, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
6	Forever Home Pet Rescue	Kurnool, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
5	pawfect Haven	Hyderabad, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
4	Safe Haven Animal Sanctuary	Guntur, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
3	Furry Friends Adoption Center	Visakhapatnam, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
2	Paws and Claws Rescue	Vijayawada, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
1	Happy Tails Animal Shelter	Hyderabad, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
10	Hopeful Paws Pet Adoption Center	Rajahmundry, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
9	Compassionate Care Animal Center	Tirupati, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
8	Loving Hearts Animal Rescue	Tirupati, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
7	Second Chance Animal Shelter	Rajahmundry, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
6	Forever Home Pet Rescue	Kurnool, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
5	pawfect Haven	Hyderabad, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
4	Safe Haven Animal Sanctuary	Guntur, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
3	Furry Friends Adoption Center	Visakhapatnam, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
2	Paws and Claws Rescue	Vijayawada, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
1	Happy Tails Animal Shelter	Hyderabad, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
10	Hopeful Paws Pet Adoption Center	Rajahmundry, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
9	Compassionate Care Animal Center	Tirupati, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
8	Loving Hearts Animal Rescue	Tirupati, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
7	Second Chance Animal Shelter	Rajahmundry, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
6	Forever Home Pet Rescue	Kurnool, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
5	pawfect Haven	Hyderabad, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
4	Safe Haven Animal Sanctuary	Guntur, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
3	Furry Friends Adoption Center	Visakhapatnam, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
2	Paws and Claws Rescue	Vijayawada, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
1	Happy Tails Animal Shelter	Hyderabad, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
10	Hopeful Paws Pet Adoption Center	Rajahmundry, Andhra Pradesh	7	Second Chance Adoption Drive	2024-04-26	Rajahmundry, Andhra Pradesh
9	Compassionate Care Animal Center	Tirupati, Andhra Pradesh	7	Second Chance Adoption Drive	2024-04-26	Rajahmundry, Andhra Pradesh

4	Safe Haven Animal Sanctuary	Guntur, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
3	Furry Friends Adoption Center	Visakhapatnam, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
2	Paws and Claws Rescue	Vijayawada, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
1	Happy Tails Animal Shelter	Hyderabad, Andhra Pradesh	4	Paws and Claws Adoption Day	2024-04-23	Guntur, Andhra Pradesh
10	Hopeful Paws Pet Adoption Center	Rajhmundry, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
9	Compassionate Care Animal Center	Tirupati, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
8	Loving Hearts Animal Rescue	Tirupati, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
7	Second Chance Animal Shelter	Rajahmundry, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
6	Forever Home Pet Rescue	Kurnool, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
5	Purrfect Haven	Hyderabad, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
4	Safe Haven Animal Sanctuary	Guntur, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
3	Furry Friends Adoption Center	Visakhapatnam, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
2	Paws and Claws Rescue	Vijayawada, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
1	Happy Tails Animal Shelter	Hyderabad, Andhra Pradesh	5	Rescue Me Pet Adoption Event	2024-04-24	Nellore, Andhra Pradesh
10	Hopeful Paws Pet Adoption Center	Rajhmundry, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
9	Compassionate Care Animal Center	Tirupati, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
8	Loving Hearts Animal Rescue	Tirupati, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
7	Second Chance Animal Shelter	Rajahmundry, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
6	Forever Home Pet Rescue	Kurnool, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
5	Purrfect Haven	Hyderabad, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
4	Safe Haven Animal Sanctuary	Guntur, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
3	Furry Friends Adoption Center	Visakhapatnam, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
2	Paws and Claws Rescue	Vijayawada, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
1	Happy Tails Animal Shelter	Hyderabad, Andhra Pradesh	6	Forever Home Adoption Fair	2024-04-25	Kurnool, Andhra Pradesh
10	Hopeful Paws Pet Adoption Center	Rajhmundry, Andhra Pradesh	7	Second Chance Adoption Drive	2024-04-26	Rajahmundry, Andhra Pradesh
9	Compassionate Care Animal Center	Tirupati, Andhra Pradesh	7	Second Chance Adoption Drive	2024-04-26	Rajahmundry, Andhra Pradesh
8	Loving Hearts Animal Rescue	Tirupati, Andhra Pradesh	7	Second Chance Adoption Drive	2024-04-26	Rajahmundry, Andhra Pradesh
7	Second Chance Animal Shelter	Rajahmundry, Andhra Pradesh	7	Second Chance Adoption Drive	2024-04-26	Rajahmundry, Andhra Pradesh
6	Forever Home Pet Rescue	Kurnool, Andhra Pradesh	7	Second Chance Adoption Drive	2024-04-26	Rajahmundry, Andhra Pradesh
5	Purrfect Haven	Hyderabad, Andhra Pradesh	7	Second Chance Adoption Drive	2024-04-26	Rajahmundry, Andhra Pradesh
4	Safe Haven Animal Sanctuary	Guntur, Andhra Pradesh	7	Second Chance Adoption Drive	2024-04-26	Rajahmundry, Andhra Pradesh
3	Furry Friends Adoption Center	Visakhapatnam, Andhra Pradesh	7	Second Chance Adoption Drive	2024-04-26	Rajahmundry, Andhra Pradesh
2	Paws and Claws Rescue	Vijayawada, Andhra Pradesh	7	Second Chance Adoption Drive	2024-04-26	Rajahmundry, Andhra Pradesh
1	Happy Tails Animal Shelter	Hyderabad, Andhra Pradesh	7	Second Chance Adoption Drive	2024-04-26	Rajahmundry, Andhra Pradesh
10	Hopeful Paws Pet Adoption Center	Rajhmundry, Andhra Pradesh	8	Loving Hearts Adoption Event	2024-04-27	Tirupati, Andhra Pradesh
9	Compassionate Care Animal Center	Tirupati, Andhra Pradesh	8	Loving Hearts Adoption Event	2024-04-27	Tirupati, Andhra Pradesh
8	Loving Hearts Animal Rescue	Tirupati, Andhra Pradesh	8	Loving Hearts Adoption Event	2024-04-27	Tirupati, Andhra Pradesh
7	Second Chance Animal Shelter	Rajahmundry, Andhra Pradesh	8	Loving Hearts Adoption Event	2024-04-27	Tirupati, Andhra Pradesh
6	Forever Home Pet Rescue	Kurnool, Andhra Pradesh	8	Loving Hearts Adoption Event	2024-04-27	Tirupati, Andhra Pradesh
5	Purrfect Haven	Hyderabad, Andhra Pradesh	8	Loving Hearts Adoption Event	2024-04-27	Tirupati, Andhra Pradesh
4	Safe Haven Animal Sanctuary	Guntur, Andhra Pradesh	8	Loving Hearts Adoption Event	2024-04-27	Tirupati, Andhra Pradesh
3	Furry Friends Adoption Center	Visakhapatnam, Andhra Pradesh	8	Loving Hearts Adoption Event	2024-04-27	Tirupati, Andhra Pradesh
2	Paws and Claws Rescue	Vijayawada, Andhra Pradesh	8	Loving Hearts Adoption Event	2024-04-27	Tirupati, Andhra Pradesh
1	Happy Tails Animal Shelter	Hyderabad, Andhra Pradesh	8	Loving Hearts Adoption Event	2024-04-27	Tirupati, Andhra Pradesh
10	Hopeful Paws Pet Adoption Center	Rajhmundry, Andhra Pradesh	9	Hopeful Paws Adoption Fair	2024-04-28	Rajahmundry, Andhra Pradesh
9	Compassionate Care Animal Center	Tirupati, Andhra Pradesh	9	Hopeful Paws Adoption Fair	2024-04-28	Rajahmundry, Andhra Pradesh
8	Loving Hearts Animal Rescue	Tirupati, Andhra Pradesh	9	Hopeful Paws Adoption Fair	2024-04-28	Rajahmundry, Andhra Pradesh
7	Second Chance Animal Shelter	Rajahmundry, Andhra Pradesh	9	Hopeful Paws Adoption Fair	2024-04-28	Rajahmundry, Andhra Pradesh
6	Forever Home Pet Rescue	Kurnool, Andhra Pradesh	9	Hopeful Paws Adoption Fair	2024-04-28	Rajahmundry, Andhra Pradesh
5	Purrfect Haven	Hyderabad, Andhra Pradesh	9	Hopeful Paws Adoption Fair	2024-04-28	Rajahmundry, Andhra Pradesh
4	Safe Haven Animal Sanctuary	Guntur, Andhra Pradesh	9	Hopeful Paws Adoption Fair	2024-04-28	Rajahmundry, Andhra Pradesh
3	Furry Friends Adoption Center	Visakhapatnam, Andhra Pradesh	9	Hopeful Paws Adoption Fair	2024-04-28	Rajahmundry, Andhra Pradesh
2	Paws and Claws Rescue	Vijayawada, Andhra Pradesh	9	Hopeful Paws Adoption Fair	2024-04-28	Rajahmundry, Andhra Pradesh
1	Happy Tails Animal Shelter	Hyderabad, Andhra Pradesh	9	Hopeful Paws Adoption Fair	2024-04-28	Rajahmundry, Andhra Pradesh
10	Hopeful Paws Pet Adoption Center	Rajhmundry, Andhra Pradesh	10	Purrfect Haven Adoption Day	2024-04-29	Tirupati, Andhra Pradesh
9	Compassionate Care Animal Center	Tirupati, Andhra Pradesh	10	Purrfect Haven Adoption Day	2024-04-29	Tirupati, Andhra Pradesh
8	Loving Hearts Animal Rescue	Tirupati, Andhra Pradesh	10	Purrfect Haven Adoption Day	2024-04-29	Tirupati, Andhra Pradesh
7	Second Chance Animal Shelter	Rajahmundry, Andhra Pradesh	10	Purrfect Haven Adoption Day	2024-04-29	Tirupati, Andhra Pradesh
6	Forever Home Pet Rescue	Kurnool, Andhra Pradesh	10	Purrfect Haven Adoption Day	2024-04-29	Tirupati, Andhra Pradesh
5	Purrfect Haven	Hyderabad, Andhra Pradesh	10	Purrfect Haven Adoption Day	2024-04-29	Tirupati, Andhra Pradesh
4	Safe Haven Animal Sanctuary	Guntur, Andhra Pradesh	10	Purrfect Haven Adoption Day	2024-04-29	Tirupati, Andhra Pradesh
3	Furry Friends Adoption Center	Visakhapatnam, Andhra Pradesh	10	Purrfect Haven Adoption Day	2024-04-29	Tirupati, Andhra Pradesh
2	Paws and Claws Rescue	Vijayawada, Andhra Pradesh	10	Purrfect Haven Adoption Day	2024-04-29	Tirupati, Andhra Pradesh
1	Happy Tails Animal Shelter	Hyderabad, Andhra Pradesh	10	Purrfect Haven Adoption Day	2024-04-29	Tirupati, Andhra Pradesh

100 rows in set (0.00 sec)

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

### Query:

```
Select s.name, count(p.petID) from shelters s
inner join pets p on s.shelterID=p.SID
Where availableforadoption=0
Group by s.name
Order by count(p.petID)
Desc limit 1;
```

```
mysql> Select s.name, count(p.petID) from shelters s
-> inner join pets p on s.shelterID=p.SID
-> Where availableforadoption=0
-> Group by s.name
-> Order by count(p.petID)
-> Desc limit 1;
```

name	count(p.petID)
Hopeful Paws Pet Adoption Center	1

1 row in set (0.00 sec)

