```sql
-- CREATE DATABASE PetPals1;

-- USE PetPals1;


CREATE TABLE Shelters (

    ShelterID INT PRIMARY KEY AUTO_INCREMENT,

    Name VARCHAR(100),

    Location VARCHAR(200)

);


CREATE TABLE Pets (

    PetID INT PRIMARY KEY AUTO_INCREMENT,

    Name VARCHAR(100),

    Age INT,

    Breed VARCHAR(100),

    Type VARCHAR(50),

    AvailableForAdoption BIT,

    ShelterID INT,

    OwnerID INT,

    FOREIGN KEY (ShelterID) REFERENCES Shelters(ShelterID)

);


CREATE TABLE Donations (

    DonationID INT PRIMARY KEY AUTO_INCREMENT,

    DonorName VARCHAR(100),
```

```sql
    DonationType VARCHAR(50),

    DonationAmount DECIMAL(10,2),

    DonationItem VARCHAR(100),

    DonationDate DATETIME,

    ShelterID INT,

    FOREIGN KEY (ShelterID) REFERENCES Shelters(ShelterID)
);


CREATE TABLE AdoptionEvents (

    EventID INT PRIMARY KEY AUTO_INCREMENT,

    EventName VARCHAR(100),

    EventDate DATETIME,

    Location VARCHAR(200)
);


CREATE TABLE Participants (

    ParticipantID INT PRIMARY KEY AUTO_INCREMENT,

    ParticipantName VARCHAR(100),

    ParticipantType VARCHAR(50),

    EventID INT,

    FOREIGN KEY (EventID) REFERENCES AdoptionEvents(EventID)
);


INSERT INTO Shelters (Name, Location) VALUES

('Happy Tails Shelter', 'Mumbai'),

('Paw Haven', 'Delhi'),
```

('FurEver Homes', 'Chennai');

INSERT INTO Pets (Name, Age, Breed, Type, AvailableForAdoption, ShelterID, OwnerID) VALUES

('Max', 2, 'Labrador', 'Dog', 1, 1, NULL),

('Bella', 5, 'Pomeranian', 'Dog', 0, 1, 1),

('Milo', 3, 'Persian', 'Cat', 1, 2, NULL),

('Coco', 1, 'Siamese', 'Cat', 1, 2, NULL),

('Charlie', 6, 'Beagle', 'Dog', 0, 3, 2),

('Luna', 4, 'Golden Retriever', 'Dog', 1, 3, NULL),

('Simba', 7, 'Labrador', 'Dog', 0, 1, 3);

INSERT INTO Donations (DonorName, DonationType, DonationAmount, DonationItem, DonationDate, ShelterID) VALUES

('Amit Kumar', 'Money', 5000.00, NULL, '2024-02-15 10:30:00', 1),

('Ritika Shah', 'Item', 0.00, 'Dog Food', '2024-03-10 09:15:00', 2),

('John Doe', 'Money', 3000.00, NULL, '2024-03-20 14:00:00', 2),

('Priya Sen', 'Money', 10000.00, NULL, '2024-04-05 11:00:00', 3),

('Rahul Verma', 'Item', 0.00, 'Cat Litter', '2024-04-08 15:30:00', 3);

INSERT INTO AdoptionEvents (EventName, EventDate, Location) VALUES

('Adoptathon Spring', '2024-04-15 10:00:00', 'Mumbai'),

('Pet Connect Delhi', '2024-04-20 11:00:00', 'Delhi'),

('Chennai FurFest', '2024-04-25 09:30:00', 'Chennai');

INSERT INTO Participants (ParticipantName, ParticipantType, EventID) VALUES

('Happy Tails Shelter', 'Shelter', 1),

('Paw Haven', 'Shelter', 2),

('FurEver Homes', 'Shelter', 3),

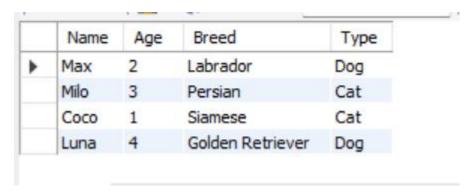('Max', 'Pet', 1),

('Bella', 'Pet', 1),

('Milo', 'Pet', 2),

('Luna', 'Pet', 3),

('Priya Sen', 'Volunteer', 3);

-- 5

SELECT Name, Age, Breed, Type

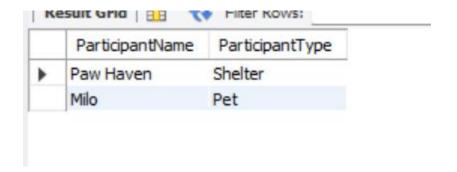FROM Pets

WHERE AvailableForAdoption = 1;

	Name	Age	Breed	Type
▶	Max	2	Labrador	Dog
	Milo	3	Persian	Cat
	Coco	1	Siamese	Cat
	Luna	4	Golden Retriever	Dog

-- 6

SELECT ParticipantName, ParticipantType

FROM Participants

WHERE EventID = 2;

	ParticipantName	ParticipantType
▶	Paw Haven	Shelter
	Milo	Pet

-- 7
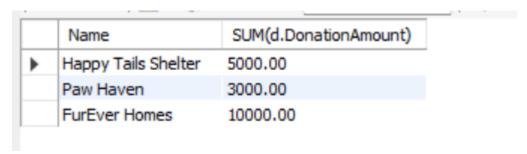
-- 8

SELECT s.Name , SUM(d.DonationAmount)

FROM Shelters s

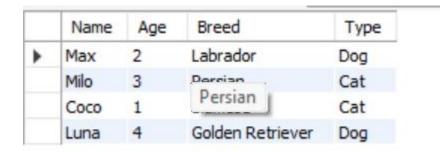LEFT JOIN Donations d ON s.ShelterID = d.ShelterID

GROUP BY s.ShelterID;

	Name	SUM(d.DonationAmount)
▶	Happy Tails Shelter	5000.00
	Paw Haven	3000.00
	FurEver Homes	10000.00

-- 9

SELECT Name, Age, Breed, Type

FROM Pets

WHERE Availableforadoption IS NULL;

	Name	Age	Breed	Type
▶	Max	2	Labrador	Dog
	Milo	3	Persian	Cat
	Coco	1	Persian	Cat
	Luna	4	Golden Retriever	Dog

-- 10

SELECT DATE_FORMAT(DonationDate, '%M %Y'), SUM(DonationAmount)

FROM Donations

GROUP BY YEAR(DonationDate), MONTH(DonationDate);

-- 11

SELECT DISTINCT Breed
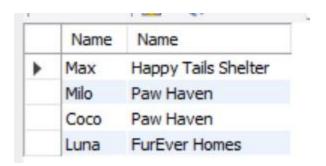
FROM Pets

WHERE (Age BETWEEN 1 AND 3) OR Age > 5;

	Breed
▶	Labrador
	Persian
	Siamese
	Beagle

-- 12

SELECT p.Name , s.Name

FROM Pets p

JOIN Shelters s ON p.ShelterID = s.ShelterID

WHERE p.AvailableForAdoption = 1;

Name	Name
Max	Happy Tails Shelter
Milo	Paw Haven
Coco	Paw Haven
Luna	FurEver Homes

-- 13

SELECT COUNT(*)

FROM Participants p

JOIN Shelters s ON p.ParticipantName = s.Name
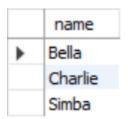
WHERE s.Location = 'Chennai';

COUNT(*)
1

-- 14

SELECT DISTINCT Breed

FROM Pets

WHERE Age BETWEEN 1 AND 5;

Breed
Labrador
Pomeranian
Persian
Siamese
Golden Retriever

-- 15

Select name

from pets

where availableforadoption =0 ;

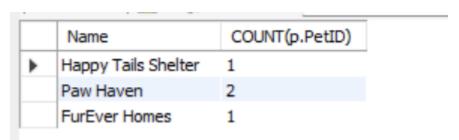|	name
▶	Bella
	Charlie
	Simba

-- 16

-- 17

SELECT s.Name , COUNT(p.PetID)

FROM Shelters s

LEFT JOIN Pets p ON s.ShelterID = p.ShelterID AND p.AvailableForAdoption = 1

GROUP BY s.ShelterID;

	Name	COUNT(p.PetID)
▶	Happy Tails Shelter	1
	Paw Haven	2
	FurEver Homes	1

-- 18

-- 19

SELECT s.Name , e.EventName

FROM Shelters s

CROSS JOIN AdoptionEvents e;

Name	EventName
FurEver Homes	Adoptathon Spring
Paw Haven	Adoptathon Spring
Happy Tails Shelter	Adoptathon Spring
FurEver Homes	Pet Connect Delhi
Paw Haven	Pet Connect Delhi
Happy Tails Shelter	Pet Connect Delhi
FurEver Homes	Chennai FurFest
Paw Haven	Chennai FurFest
Happy Tails Shelter	Chennai FurFest

-- 20

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.ShelterID

ORDER BY AdoptedPetsCount DESC

LIMIT 1;

ShelterName	AdoptedPetsCount
Happy Tails Shelter	2