

## CREATE QUERIES :

```
CREATE TABLE Applicant (  
  application_id INT NOT NULL,  
  email_id VARCHAR(255) PRIMARY KEY,  
  application_name VARCHAR(255) NOT NULL,  
  address TEXT NOT NULL,  
  application_status VARCHAR(50) NOT NULL,  
  date_of_application DATE NOT NULL  
);
```

```
CREATE TABLE Applicant_Phone (  
  email_id VARCHAR(255) NOT NULL,  
  phone_number VARCHAR(20) NOT NULL,  
  PRIMARY KEY (email_id, phone_number),  
  FOREIGN KEY (email_id) REFERENCES Applicant(email_id) ON DELETE  
  CASCADE  
);
```

```
CREATE TABLE Employee (  
  email_id VARCHAR(255) PRIMARY KEY,  
  name VARCHAR(255) NOT NULL,  
  contact VARCHAR(20) NOT NULL,  
  address TEXT NOT NULL  
);
```

```
CREATE TABLE Employee_Phone (  
  employee_id VARCHAR(255) NOT NULL,  
  phone_no VARCHAR(20) NOT NULL,  
  PRIMARY KEY (employee_id, phone_no),  
  FOREIGN KEY (employee_id) REFERENCES Employee(email_id) ON DELETE  
  CASCADE
```

```
);
```

```
CREATE TABLE Adoption (  
  adoption_id INT PRIMARY KEY,  
  adoption_status VARCHAR(50) NOT NULL,  
  adoption_date DATE NOT NULL,  
  adoption_notes TEXT  
);
```

```
CREATE TABLE Species (  
  species VARCHAR(100) PRIMARY KEY,  
  life_span INT NOT NULL  
);
```

```
CREATE TABLE Animal_Adoption (  
  reg_id INT NOT NULL,  
  adoption_id INT NOT NULL,  
  PRIMARY KEY (reg_id, adoption_id),  
  FOREIGN KEY (reg_id) REFERENCES Animal(reg_id) ON DELETE CASCADE,  
  FOREIGN KEY (adoption_id) REFERENCES Adoption(adoption_id) ON  
  DELETE CASCADE  
);
```

```
CREATE TABLE Medical_Record (  
  reg_id INT NOT NULL,  
  vaccination_name VARCHAR(255) NOT NULL,  
  vaccination_date DATE NOT NULL,  
  status VARCHAR(50) NOT NULL,  
  PRIMARY KEY (reg_id, vaccination_name, vaccination_date),  
  FOREIGN KEY (reg_id) REFERENCES Animal(reg_id) ON DELETE CASCADE  
);
```

```
CREATE TABLE Shelter (  
location VARCHAR(255) PRIMARY KEY,  
status VARCHAR(50) NOT NULL,  
date DATE NOT NULL,  
time TIME NOT NULL  
);
```

```
CREATE TABLE Pantry_Management (  
item_name VARCHAR(255) NOT NULL,  
date DATE NOT NULL,  
amount INT NOT NULL,  
PRIMARY KEY (item_name, date)  
);
```

```
CREATE TABLE Charity_Detail (  
name VARCHAR(255) NOT NULL,  
date DATE NOT NULL,  
amount DECIMAL(10,2) NOT NULL,  
PRIMARY KEY (name, date)  
);
```

```
CREATE TABLE Accounts (  
expenses DECIMAL(10,2) NOT NULL,  
date DATE NOT NULL PRIMARY KEY,  
total_charity DECIMAL(10,2) NOT NULL  
);
```

```
CREATE TABLE Animal (  
reg_id INT PRIMARY KEY,  
species VARCHAR(100) NOT NULL,  
age INT NOT NULL,
```

gender VARCHAR(10) NOT NULL,  
health\_status VARCHAR(50) NOT NULL);

### **INSERT QUERIES :**

```
INSERT INTO Accounts (expenses, date, total_charity)
VALUES
(1500.00, '2025-02-23', 500.00),
(1200.00, '2025-02-20', 400.00),
(1800.00, '2025-02-19', 600.00),
(1100.00, '2025-02-18', 450.00),
(2000.00, '2025-02-17', 650.00);
```

```
INSERT INTO Adoption (adoption_id, adoption_status, adoption_date,
adoption_notes)
VALUES
(101, 'Completed', '2025-02-20', 'Adopted by a loving family'),
(102, 'Pending', '2025-02-21', 'Awaiting home visit approval'),
(103, 'Completed', '2025-02-18', 'Adopted by a couple in the city'),
(104, 'Completed', '2025-02-16', 'Family ready to adopt'),
(105, 'Pending', '2025-02-22', 'Waiting for medical checkup');
```

```
INSERT INTO Animal (reg_id, species, age, gender, health_status)
VALUES
(201, 'Dog', 2, 'Male', 'Healthy'),
(202, 'Cat', 3, 'Female', 'Healthy'),
(203, 'Rabbit', 1, 'Male', 'Healthy'),
(204, 'Dog', 4, 'Female', 'Needs treatment'),
(205, 'Parrot', 5, 'Male', 'Healthy');
```

```
INSERT INTO Medical_Record (reg_id, vaccination_name, vaccination_date,
status)
VALUES
(201, 'Rabies', '2025-03-01', 'Completed'),
(202, 'Rabies', '2025-03-05', 'Completed'),
(203, 'Rabies', '2025-03-10', 'Completed'),
(204, 'Rabies', '2025-03-15', 'Completed'),
(205, 'Rabies', '2025-03-20', 'Completed');
```

```
INSERT INTO Animal_Adoption (reg_id, adoption_id)
VALUES
(201, 101),
(202, 102),
```

(203, 103),  
(204, 104),  
(205, 105);

```
INSERT INTO Applicant (application_id, email_id, application_name, address,
application_status, date_of_application)
VALUES
(301, 'applicant1@example.com', 'John Doe', '123 Elm Street, City, Country',
'Approved', '2025-02-15'),
(302, 'applicant2@example.com', 'Jane Smith', '456 Pine Road, City, Country',
'Pending', '2025-02-16'),
(303, 'applicant3@example.com', 'Samuel Adams', '789 Birch Avenue, City,
Country', 'Approved', '2025-02-17'),
(304, 'applicant4@example.com', 'Mary Johnson', '123 Maple Lane, City,
Country', 'Rejected', '2025-02-18'),
(305, 'applicant5@example.com', 'Robert Brown', '101 Oak Street, City, Country',
'Approved', '2025-02-19');
```

```
INSERT INTO Applicant_Phone (email_id, phone_number)
VALUES
('applicant1@example.com', '123-456-7890'),
('applicant2@example.com', '234-567-8901'),
('applicant3@example.com', '345-678-9012'),
('applicant4@example.com', '456-789-0123'),
('applicant5@example.com', '567-890-1234');
```

```
INSERT INTO Charity_Detail (name, date, amount)
VALUES
('Animal Rescue Fund', '2025-02-01', 2000.00),
('Hope for Animals', '2025-01-15', 1500.00),
('Save a Pet', '2025-02-10', 1000.00),
('Animal Shelter Donation', '2025-02-05', 1200.00),
('Pets in Need', '2025-02-12', 800.00);
```

```
INSERT INTO Employee (email_id, name, contact, address)
VALUES
('employee1@example.com', 'Alice Johnson', '987-654-3210', '456 Oak Avenue,
City, Country'),
('employee2@example.com', 'Bob Green', '876-543-2109', '789 Maple Street,
City, Country'),
('employee3@example.com', 'Charlie Brown', '765-432-1098', '123 Elm Street,
City, Country');
```

```
('employee4@example.com', 'David White', '654-321-0987', '321 Pine Road, City, Country'),  
('employee5@example.com', 'Eva Davis', '543-210-9876', '654 Birch Lane, City, Country');
```

```
INSERT INTO Employee_Phone (employee_id, phone_no)  
VALUES  
('employee1@example.com', '987-654-3210'),  
('employee2@example.com', '876-543-2109'),  
('employee3@example.com', '765-432-1098'),  
('employee4@example.com', '654-321-0987'),  
('employee5@example.com', '543-210-9876');
```

```
INSERT INTO Pantry_Management (item_name, date, amount)  
VALUES  
('Dog Food', '2025-02-20', 300.00),  
('Cat Food', '2025-02-19', 250.00),  
('Bird Seed', '2025-02-18', 100.00),  
('Rabbit Food', '2025-02-17', 120.00),  
('Horse Feed', '2025-02-16', 500.00);
```

```
INSERT INTO Shelter (location, status, date, time)  
VALUES  
('Main Shelter', 'Active', '2025-02-23', '09:00'),  
('North Shelter', 'Inactive', '2025-02-22', '10:00'),  
('East Shelter', 'Active', '2025-02-21', '08:00'),  
('South Shelter', 'Active', '2025-02-20', '11:00'),  
('West Shelter', 'Inactive', '2025-02-19', '07:00');
```

```
INSERT INTO Species (species, life_span)  
VALUES  
('Dog', 12),  
('Cat', 15),  
('Rabbit', 8),  
('Parrot', 50),  
('Horse', 30);
```

## **DATA RETRIEVAL QUERIES:**

### **1. Get all adopted animals along with their adoption status and adoption date:**

```
SELECT Animal.reg_id, Animal.species, Animal.age, Adoption.adoption_status,  
Adoption.adoption_date  
FROM Animal  
JOIN Animal_Adoption ON Animal.reg_id = Animal_Adoption.reg_id  
JOIN Adoption ON Animal_Adoption.adoption_id = Adoption.adoption_id;
```

### **2. Find the applicants who have been approved for adoption:**

```
SELECT application_id, application_name, email_id, address,  
date_of_application  
FROM Applicant  
WHERE application_status = 'Approved';
```

### **3. Get a list of all employees and their phone numbers:**

```
SELECT Employee.name, Employee_Phone.phone_no  
FROM Employee  
JOIN Employee_Phone ON Employee.email_id =  
Employee_Phone.employee_id;
```

### **4. Retrieve the total charity amount for each charity organization:**

```
SELECT name, SUM(amount) AS total_charity  
FROM Charity_Detail  
GROUP BY name;
```

### **5. Get a list of animals that are in need of treatment:**

```
SELECT reg_id, species, age, gender, health_status  
FROM Animal  
WHERE health_status = 'Needs treatment';
```

### **6. Find the total expenses for a specific date:**

```
SELECT SUM(expenses) AS total_expenses  
FROM Accounts
```

WHERE date = '2025-02-23';

**7. Get the vaccination records for each animal along with their vaccination dates:**

```
SELECT Animal.reg_id, Animal.species, Medical_Record.vaccination_name,  
Medical_Record.vaccination_date, Medical_Record.status  
FROM Animal  
JOIN Medical_Record ON Animal.reg_id = Medical_Record.reg_id;
```

**8. Find the total amount of food spent on pets in the shelter on a given date:**

```
SELECT SUM(amount) AS total_food_expense  
FROM Pantry_Management  
WHERE date = '2025-02-20';
```

**9. Get a list of all active shelters along with their location and status:**

```
SELECT location, status, date, time  
FROM Shelter  
WHERE status = 'Active';
```

**10. Get a list of all animals along with their health status:**

```
SELECT reg_id, species, age, health_status  
FROM Animal;
```