2019

INFO 605

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Drexel university

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REQUIREMENTS

I am an avid animal lover and have three pet dogs and one pet ferret. I spend my weekends volunteering at the animal shelter in Philadelphia, PA, and the animals there inspired my final project for this class.

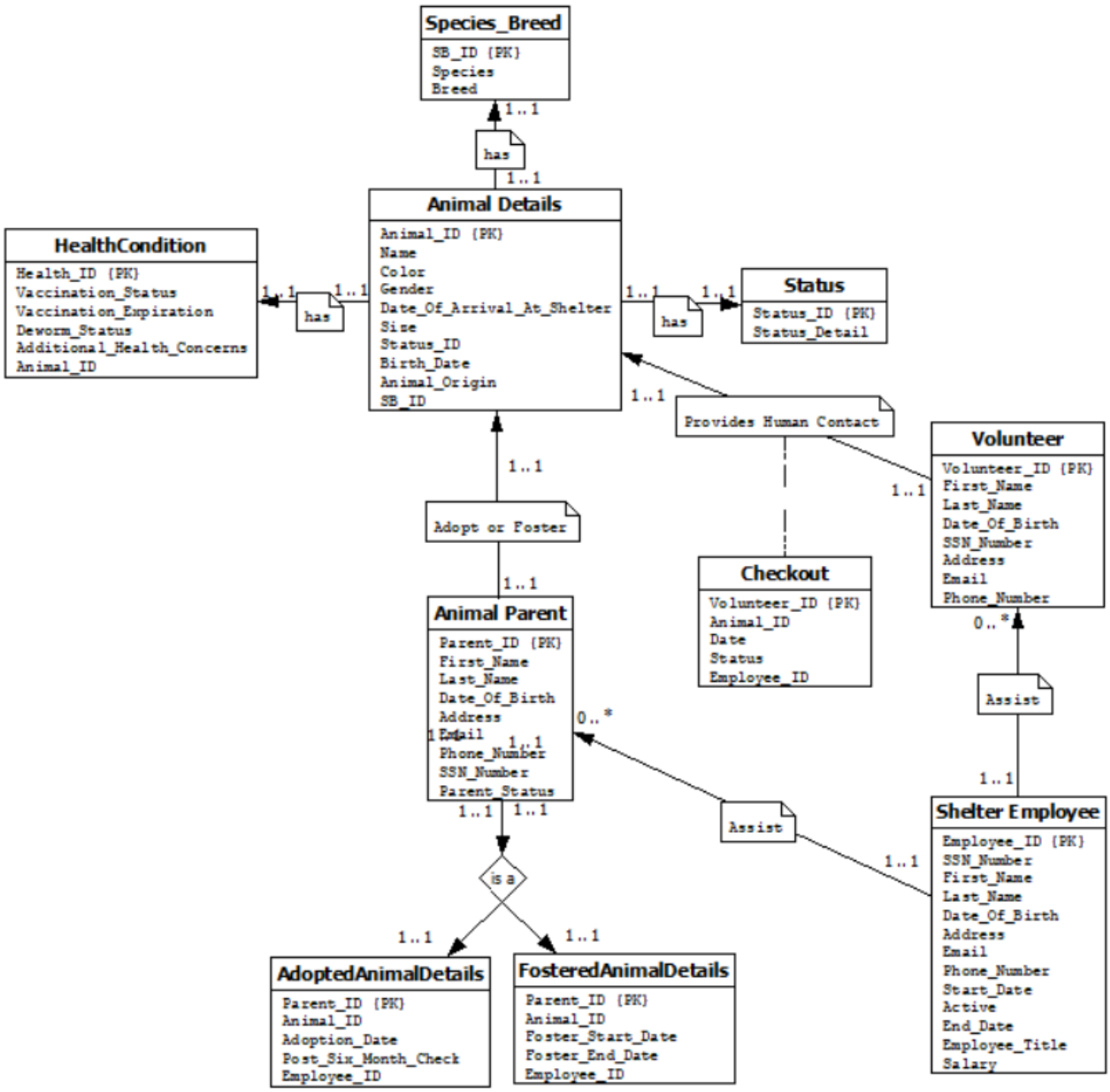
This database is for a no-kill animal shelter and is intended to enhance their day to day activities, which is currently being tracked using paper trail and records.

The shelter needs to account for all the types of animals in their shelter, this may include cats, dogs, and small animals, differentiated by species (e.g. cat, dog, ferrets, rabbits etc.) and it is possible that not all small animals have breeds, and cats and dogs may. They need to track the animal details like their animal ID number, name, color, vaccination status, gender, size (small, medium, large), status (in foster, adopted, available to foster or adopt, or not applicable), date acquired by shelter, birth date, age, deworm status, and adoption or foster date, where these animals came from (origin) for instance, surrendered, lost and found. They also need to track the availability to being taken out by volunteers for human contact. They also need to keep track of all their foster parents, first and last name, SSN number, date of birth, address, email, phone and the animals that they may be fostering (via animal ID number), date of fostering. A foster parent may foster only one animal at a time.

The shelter also needs to track their adoptions records to be able to check six-month post adoption to ensure animal welfare. For this they need to store the information of the people who are adopting their pet. The information stored includes, first name, last name, SSN number, address, email, phone number, date of birth, date of adoption and animal being adopted. They also need to keep track of all their volunteers – first name, last name, email id, phone number, address, start date, date of birth, and the animals they check out for their daily human contact, last volunteered date. A volunteer can only check out one animal at a time for only one day and the shelter employee must sign off on each checkout. Each Adoption and foster parent and volunteer record should state which employee they worked with.

The shelter also needs to keep track of all their employees, their first and last name, start date, end date (if not currently working there), employee SSN, email, phone number, address, employee title, date of birth and salary. All employees, volunteers, foster parents and adoptive parent must be 18 years or older.

ER MODEL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SB_ID (PK)
Species
Breed
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has
1..1
Animal Details
Animal_ID (PK)
Name
Color
Gender
Date_Of_Arrival_At_Shelter
Size
Status_ID
Birth_Date
Animal_Origin
SB_ID
HealthCondition
Health_ID (PK)
Vaccination_Status
Vaccination_Expiration
Deworm_Status
Additional_Health_Concerns
Animal_ID
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1..1
has
1..1
1..1
has
Status
Status_ID (PK)
Status_Detail
1..1
Provides Human Contact
Volunteer
Volunteer_ID (PK)
First_Name
Last_Name
Date_Of_Birth
SSN_Number
Address
Email
Phone_Number
1..1
1..1
Adopt or Foster
1..1
Checkout
Volunteer_ID (PK)
Animal_ID
Date
Status
Employee_ID
Animal Parent
Parent_ID (PK)
First_Name
Last_Name
Date_Of_Birth
Address
Email
Phone_Number
SSN_Number
Parent_Status
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0..*
Assist
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Assist
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Shelter Employee
Employee_ID (PK)
SSN_Number
First_Name
Last_Name
Date_Of_Birth
Address
Email
Phone_Number
Start_Date
Active
End_Date
Employee_Title
Salary
1..1
is a
1..1
1..1
AdoptedAnimalDetails
Parent_ID (PK)
Animal_ID
Adoption_Date
Post_Six_Month_Check
Employee_ID
FosteredAnimalDetails
Parent_ID (PK)
Animal_ID
Foster_Start_Date
Foster_End_Date
Employee_ID

DATABASE SCHEMA

AnimalDetails (Animal_ID, Name, Color, Gender, Date_of_Arrival_at_Shelter, Size, Status_ID, Birth_Date, Animal_Origin, SB_ID)

Species_Breed (SB_ID, Species, Breed)

Status (Status_ID, Status_Details)

Volunteer (Volunteer_ID, First_Name, SSN_Number, Last_Name, Date_of_Birth, Address, Email, Phone_Number)

Checkout (Volunteer_ID, Animal_ID, Checkout_Date, Status, Employee_ID)

ShelterEmployee (Employee_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Start_Date, End_Date, Employee_Title, Salary, Active)

AnimalParent (Parent_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Parent_Status)

AdoptedAnimalDetails (Animal_ID, Parent_ID, Adoption_Date, Employee_ID, Post_Six_Month_Check)

FosteredAnimalDetails (Animal_ID, Parent_ID, Foster_Start_Date, Foster_End_Date, Employee_ID)

HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)

DATA DICTIONARY

Animal Details: Contains information about the animals in the shelter						
Attribute Name	**Description**	**Datatype**	**Domain**	**Nullable**	**PK**	**FK**
Animal_ID	Animal's identifier	Char (5)	00000-99999	No	Yes	No
AnimalName	Animal's name	Varchar2 (20)	All	No	No	No
Color	Animal's color	Varchar2 (15)	All	No	No	No
Gender	Animal's gender	Char (1)	'M' or 'F'	No	No	No
Date_of_Arrival_at_Shelter	When the animal arrived at the shelter	Date	> 1/1/2000	No	No	No
AnimalSize	Size of the animal – small, medium or large	Char (1)	'S' or 'M' or 'L'	No	No	No
Status_ID	If the animal is available to foster or adopt, or if its already fostered or adopted, or not applicable	Char (5)	00000-99999	No	No	Yes
Birth_Date	Animal's date of birth	Date	> 1/1/2000	No	No	No
Animal_Origin	Where the animal came from – e.g. surrendered or lost and found or rescued	Char (1)	'S' or 'L' or 'R'	No	No	No
SB_ID	Identifier for species and breed of the animal	Char (5)	00000-99999	No	No	Yes

Health Condition: Contains information about the health of the animals in the shelter						
Attribute Name	**Description**	**Datatype**	**Domain**	**Nullable**	**PK**	**FK**
Health_ID	Animal's health identifier	Char (8)	000000000-999999999	No	Yes	No
Vaccination_Status	Identifies if the animal is vaccinated	Char (1)	'Y' or 'N'	No	No	No
Vaccination_Expiration	Identifies when the vaccine will expire	Date	> 1/1/2000	Yes	No	No
Deworm_Status	Identifies if the animal is dewormed	Char (1)	'Y' or 'N'	No	No	No
Additional_Health_Concerns	Identifies any other health concerns the animal may have	Varchar2 (50)	All	Yes	No	No
Animal_ID	Animals' identifier	Char (5)	00000-99999	No	No	Yes

Status: Contains status of the animals in the shelter which lets one know of their availability						
Attribute Name	**Description**	**Datatype**	**Domain**	**Nullable**	**PK**	**FK**
Status_ID	Status identifier	Char (5)	00000-99999	No	Yes	No
Status_Details	If the animal is available to foster/adopt, or if already fostered/adopted, or NA	Varchar2 (20)	All	No	No	No

Species Breeds: Contains information about the species and breeds of the animals in the shelter						
Attribute Name	**Description**	**Datatype**	**Domain**	**Nullable**	**PK**	**FK**
SB_ID	Animal's species and breed identifier	Char (5)	00000-99999	No	Yes	No
Species	Identifies the type of the animal, e.g. rat, ferret, dog, cat etc.	Varchar2 (20)	All	No	No	No
Breed	Identifies the breed of the species, e.g. Labrador, Persian cat, panda ferret etc.	Varchar2 (30)	All	No	No	No

Volunteer: Contains information about the volunteers volunteering at the animal shelter						
Attribute Name	**Description**	**Datatype**	**Domain**	**Nullable**	**PK**	**FK**
Volunteer_ID	Volunteer identifier	Char (5)	00000-99999	No	Yes	No
First_Name	Volunteer's first name	Varchar2 (20)	All	No	No	No
Last_Name	Volunteer's last name	Varchar2 (20)	All	No	No	No
SSN_Number	Volunteer's social security number	Char (9)	000000000-999999999	No	No	No
Date_of_Birth	Volunteer's date of birth	Date	< 9/2/2001	No	No	No
Address	Volunteer's home address	Varchar2 (80)	All	No	No	No
Email	Volunteer's contact email	Varchar2 (70)	All	No	No	No
Phone_Number	Volunteer's contact number	Varchar (10)	> 0	No	No	No

Checkout: Contains information when volunteers checkout animals for their human interactions						
Attribute Name	**Description**	**Datatype**	**Domain**	**Nullable**	**PK**	**FK**
Volunteer_ID	Volunteer identifier	Char (5)	00000-99999	No	Yes	Yes
Animal_ID	Identifies if the animal is vaccinated	Char (5)	00000-99999	No	Yes	Yes
Checkout_Date	Identifies when the animals are checked out	Date	> 1/1/2000	No	Yes	No
Status	Identifies if the animal is checked out	Char (1)	'Y' or 'N'	No	No	No
Employee_ID	Identifies the employee the volunteer worked with	Char (5)	00000-99999	No	No	Yes

Shelter Employee: Contains information about the shelter employees						
Attribute Name	**Description**	**Datatype**	**Domain**	**Nullable**	**PK**	**FK**
Employee_ID	Employee identifier	Char (5)	00000-99999	No	Yes	No
SSN_Number	Employee's social security number	Char (9)	000000000-999999999	No	No	No
First_Name	Employee's first name	Varchar (20)	All	No	No	No
Last_Name	Employee's last name	Varchar (20)	All	No	No	No
Date_of_Birth	Employee's date of birth	Date	< 9/2/2001	No	No	No
Address	Employee's address	Varchar (80)	All	No	No	No
Email	Employee's personal email	Varchar2 (70)	All	No	No	No
Phone_Number	Employee's phone number	Varchar (10)	> 0	No	No	No
Start_Date	Employee's start date	Date	> 1/1/1990	No	No	No
End_Date	Employee's end date if not active	Date	> 1/1/1990	Yes	No	No
Employee_Title	Employee's position title	Varchar (50)	All	No	No	No
Salary	Employee's salary	Number (9,2)	All	No	No	No
Active	If employee still works there	Char (1)	'Y' or 'N'	No	No	No

Animal Parent: Contains information about the existing and potential foster parents and adoption parents						
Attribute Name	**Description**	**Datatype**	**Domain**	**Nullable**	**PK**	**FK**
Parent_ID	Parent identifier	Char (5)	00000-99999	No	Yes	No
SSN_Number	Parent's social security number	Char (9)	000000000-999999999	No	No	No
First_Name	Parent's first name	Varchar (20)	All	No	No	No
Last_Name	Parent's last name	Varchar (20)	All	No	No	No
Date_of_Birth	Parent's date of birth	Date	< 9/2/2001	No	No	No
Address	Parent's address	Varchar (80)	All	No	No	No
Email	Parent's personal email	Varchar2 (70)	All	No	No	No
Phone_Number	Parent's phone number	Varchar (10)	> 0	No	No	No
Parent_Status	If the parent is a registered adoption parent or a foster parent	Char (1)	'F' or 'A'	No	No	No

Fostered Animal Details: Contains details of all the animals in foster from the shelter						
Attribute Name	**Description**	**Datatype**	**Domain**	**Nullable**	**PK**	**FK**
Animal_ID	Animal's identifier	Char (5)	00000-99999	No	Yes	Yes
Parent_ID	Parent identifier	Char (5)	00000-99999	No	Yes	Yes
Foster_Start_Date	Date of animals' foster	Date	> 1/1/1990	No	No	No
Foster_End_Date	Last Date of animals' foster	Date	> 1/1/1990	Yes	No	No
Employee_ID	Employee who assisted with the adoption	Char (5)	00000-99999	No	No	Yes

Adopted Animal Details: Contains details of all the animals adopted from the shelter						
Attribute Name	**Description**	**Datatype**	**Domain**	**Nullable**	**PK**	**FK**
Animal_ID	Animal's identifier	Char (5)	00000-99999	No	Yes	Yes
Parent_ID	Parent identifier	Char (5)	00000-99999	No	Yes	Yes
Adoption_Date	Date of animals' adoption	Date	> 1/1/1990	No	No	No
Employee_ID	Employee who assisted with the adoption	Char (5)	00000-99999	No	No	Yes
Post_6_Month_Check	If animal is being well cared for after six months of adoption	Char (1)	'Y' or 'N'	No	No	No

DDL

Create Table **HealthCondition**
(
Health_ID Char(5) Constraint health_pk PRIMARY KEY,
Vaccination_Status Char(1) Constraint health_vacstat CHECK (Vaccination_Status IN ('Y','N')) NOT NULL,
Vaccination_Expiration Date,
Deworm_Status Char(1) Constraint health_dewormstat CHECK (Deworm_Status IN ('Y','N')) NOT NULL,
Additional_Health_Concerns Varchar2(50),
Animal_ID Char(5) Constraint health_an_id references AnimalDetails(Animal_ID)
)

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	HEALTH_ID	CHAR(5 BYTE)	No	(null)	1	(null)
2	VACCINATION_STATUS	CHAR(1 BYTE)	No	(null)	2	(null)
3	VACCINATION_EXPIRATION	DATE	Yes	(null)	3	(null)
4	DEWORM_STATUS	CHAR(1 BYTE)	No	(null)	4	(null)
5	ADDITIONAL_HEALTH_CONCERNS	VARCHAR2(50 BYTE)	Yes	(null)	5	(null)
6	ANIMAL_ID	CHAR(5 BYTE)	No	(null)	6	(null)

Create Table **Status**
(
Status_ID CHAR(5) CONSTRAINT status_pk PRIMARY KEY,
Status_Details VARCHAR2(20) CONSTRAINT status_details NOT NULL
)

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	STATUS_ID	CHAR(5 BYTE)	No	(null)	1	(null)
2	STATUS_DETAILS	VARCHAR2(20 BYTE)	No	(null)	2	(null)

Create Table **Species_Breed**
(
SB_ID CHAR(5) CONSTRAINT sb_pk PRIMARY KEY,
Species VARCHAR2(20) CONSTRAINT sb_spec NOT NULL,
Breed VARCHAR2(20) CONSTRAINT sb_breed NOT NULL
)

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	SB_ID	CHAR(5 BYTE)	No	(null)	1	(null)
2	SPECIES	VARCHAR2(20 BYTE)	No	(null)	2	(null)
3	BREED	VARCHAR2(20 BYTE)	No	(null)	3	(null)

Create Table **AnimalDetails**
(
Animal_ID Char(5) Constraint anim_pk PRIMARY KEY,
AnimalName Varchar2(20) Constraint anim_name NOT NULL,
Color Varchar2(15) Constraint anim_color NOT NULL,
Gender Char(1) Constraint anim_gen CHECK (Gender IN ('M','F')) NOT NULL,
Date_of_Arrival_at_Shelter Date DEFAULT sysdate NOT NULL,
AnimalSize Char(1) Constraint anim_size CHECK (AnimalSize IN ('S','M', 'L')) NOT NULL,
Status_ID Char(5) Constraint anim_status references Status(Status_ID) NOT NULL,
Birth_Date Date Constraint anim_dob NOT NULL,
Animal_Origin Char(1) Constraint anim_orig CHECK (Animal_Origin IN ('S','L', 'R')) NOT NULL,
SB_ID Char(5) Constraint anim_sb references Species_Breed(SB_ID) NOT NULL,
)

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	ANIMAL_ID	CHAR(5 BYTE)	No	(null)	1	(null)
2	ANIMALNAME	VARCHAR2(20 BYTE)	No	(null)	2	(null)
3	COLOR	VARCHAR2(15 BYTE)	No	(null)	3	(null)
4	GENDER	CHAR(1 BYTE)	No	(null)	4	(null)
5	DATE_OF_ARRIVAL_AT_SHELTER	DATE	No	sysdate	5	(null)
6	ANIMALSIZE	CHAR(1 BYTE)	No	(null)	6	(null)
7	STATUS_ID	CHAR(5 BYTE)	No	(null)	7	(null)
8	BIRTH_DATE	DATE	No	(null)	8	(null)
9	ANIMAL_ORIGIN	CHAR(1 BYTE)	No	(null)	9	(null)
10	SB_ID	CHAR(5 BYTE)	No	(null)	10	(null)

Create Table **Volunteer**
(
Volunteer_ID Char(5) Constraint vol_pk PRIMARY KEY,
First_Name Varchar2(20) Constraint vol_fn NOT NULL,
Last_Name Varchar2(20) Constraint vol_ln NOT NULL,
SSN_Number Char(9) Constraint vol_ssn NOT NULL,
Date_of_Birth Date NOT NULL CHECK (sysdate-Date_of_Birth>=18),
AddressVarchar2(80) Constraint vol_addr NOT NULL,
Email Varchar2(70) Constraint vol_eml NOT NULL,
Phone_Number Varchar(10) Constraint vol_phn NOT NULL
)
--Tried the trigger below but it didn't work so I stuck with constraint
--CREATE OR REPLACE TRIGGER **trgVolunteer**
--BEFORE INSERT OR UPDATE ON Volunteer

```
 --FOR EACH ROW
--BEGIN
 --IF( ADD_MONTHS(:new.Date_of_Birth, 18 * 12) < sysdate ) THEN
  --RAISE_APPLICATION_ERROR( -20001, 'Person must be at least 18 years old.' );
 --END IF;
--END;
```

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	VOLUNTEER_ID	CHAR(5 BYTE)	No	(null)	1	(null)
2	FIRST_NAME	VARCHAR2(20 BYTE)	No	(null)	2	(null)
3	LAST_NAME	VARCHAR2(20 BYTE)	No	(null)	3	(null)
4	SSN_NUMBER	CHAR(9 BYTE)	No	(null)	4	(null)
5	DATE_OF_BIRTH	DATE	No	(null)	5	(null)
6	ADDRESS	VARCHAR2(80 BYTE)	No	(null)	6	(null)
7	EMAIL	VARCHAR2(70 BYTE)	No	(null)	7	(null)
8	PHONE_NUMBER	VARCHAR2(10 BYTE)	No	(null)	8	(null)

Create Table **ShelterEmployee**

```
(
Employee_ID Char(5) Constraint shemp_pk PRIMARY KEY,
First_Name Varchar2(20) Constraint shemp_fn NOT NULL,
Last_Name Varchar2(20) Constraint shemp_ln NOT NULL,
SSN_Number Char(9) Constraint shemp_ssn NOT NULL,
Date_of_Birth Date NOT NULL CHECK (sysdate-Date_of_Birth>=18),
AddressVarchar2(80) Constraint shemp_addr NOT NULL,
Email    Varchar2(70) Constraint shemp_eml NOT NULL,
Phone_Number Varchar(10) Constraint shemp_phn NOT NULL,
Start_Date date NOT NULL,
End_Date date NOT NULL,
Employee_Title Varchar2(50) Constraint shemp_title NOT NULL,
Salary  NUMBER(9,2) Constraint shemp_sal NOT NULL,
Active Char(1) Constraint shemp_act CHECK (Active IN ('Y','N')) NOT NULL
)
--Tried the trigger below but it didn't work so I stuck with constraint
--CREATE OR REPLACE TRIGGER trgSheltEmp
 --BEFORE INSERT OR UPDATE ON ShelterEmployee
 --FOR EACH ROW
--BEGIN
 --IF( ADD_MONTHS(:new.Date_of_Birth, 18 * 12) < sysdate ) THEN
  --RAISE_APPLICATION_ERROR( -20001, 'Person must be at least 18 years old.' );
```

--END IF;
--END;

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	EMPLOYEE_ID	CHAR(5 BYTE)	No	(null)	1	(null)
2	FIRST_NAME	VARCHAR2(20 BYTE)	No	(null)	2	(null)
3	LAST_NAME	VARCHAR2(20 BYTE)	No	(null)	3	(null)
4	SSN_NUMBER	CHAR(9 BYTE)	No	(null)	4	(null)
5	DATE_OF_BIRTH	DATE	No	(null)	5	(null)
6	ADDRESS	VARCHAR2(80 BYTE)	No	(null)	6	(null)
7	EMAIL	VARCHAR2(70 BYTE)	No	(null)	7	(null)
8	PHONE_NUMBER	VARCHAR2(10 BYTE)	No	(null)	8	(null)
9	START_DATE	DATE	No	(null)	9	(null)
10	END_DATE	DATE	Yes	(null)	10	(null)
11	EMPLOYEE_TITLE	VARCHAR2(50 BYTE)	No	(null)	11	(null)
12	SALARY	NUMBER(9,2)	No	(null)	12	(null)
13	ACTIVE	CHAR(1 BYTE)	No	(null)	13	(null)

Create Table **Checkout**
(
Volunteer_ID Char(5) NOT NULL,
Animal_ID Char(5) NOT NULL,
Checkout_Date date NOT NULL,
Status Char(1) Constraint checkout_stat CHECK (Status IN ('Y','N')) NOT NULL,
Employee_ID Char(5) Constraint checkout_emp_id references ShelterEmployee(Employee_ID) NOT NULL,
CONSTRAINT checkout_pk PRIMARY KEY (Volunteer_ID, Animal_ID, Checkout_Date),
CONSTRAINT checkout_fk FOREIGN KEY (Volunteer_ID) references Volunteer(Volunteer_ID),
CONSTRAINT checkout_fk2 FOREIGN KEY (Animal_ID) references AnimalDetails(Animal_ID)
)

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	VOLUNTEER_ID	CHAR(5 BYTE)	No	(null)	1	(null)
2	ANIMAL_ID	CHAR(5 BYTE)	No	(null)	2	(null)
3	CHECKOUT_DATE	DATE	No	(null)	3	(null)
4	STATUS	CHAR(1 BYTE)	No	(null)	4	(null)
5	EMPLOYEE_ID	CHAR(5 BYTE)	No	(null)	5	(null)

Create Table **AnimalParent**
(
Parent_ID Char(5) Constraint ap_pk PRIMARY KEY,

```
First_Name Varchar2(20) Constraint ap_fn NOT NULL,
Last_Name Varchar2(20) Constraint ap_ln NOT NULL,
SSN_Number Char(9) Constraint ap_ssn NOT NULL,
Date_of_Birth Date NOT NULL CHECK (sysdate-Date_of_Birth>=18),
AddressVarchar2(80) Constraint ap_addr NOT NULL,
Email    Varchar2(70) Constraint ap_eml NOT NULL,
Phone_Number Varchar(10) Constraint ap_phn NOT NULL,
Parent_Status Char(1) Constraint ap_par_stat CHECK (Parent_Status IN ('F','A')) NOT NULL
)
--Tried the trigger below but it didn't work so I stuck with constraint
--CREATE OR REPLACE TRIGGER trgAnimalParent
 --BEFORE INSERT OR UPDATE ON AnimalParent
 --FOR EACH ROW
--BEGIN
 --IF( ADD_MONTHS(:new.Date_of_Birth, 18 * 12) < sysdate ) THEN
  --RAISE_APPLICATION_ERROR( -20001, 'Person must be at least 18 years old.' );
 --END IF;
--END;
```

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	PARENT_ID	CHAR(5 BYTE)	No	(null)	1	(null)
2	FIRST_NAME	VARCHAR2(20 BYTE)	No	(null)	2	(null)
3	LAST_NAME	VARCHAR2(20 BYTE)	No	(null)	3	(null)
4	SSN_NUMBER	CHAR(9 BYTE)	No	(null)	4	(null)
5	DATE_OF_BIRTH	DATE	No	(null)	5	(null)
6	ADDRESS	VARCHAR2(80 BYTE)	No	(null)	6	(null)
7	EMAIL	VARCHAR2(70 BYTE)	No	(null)	7	(null)
8	PHONE_NUMBER	VARCHAR2(10 BYTE)	No	(null)	8	(null)
9	PARENT_STATUS	CHAR(1 BYTE)	No	(null)	9	(null)

```
Create Table AdoptedAnimalDetails
(
Parent_ID Char(5) NOT NULL,
Animal_ID Char(5) NOT NULL,
Adoption_Date date NOT NULL,
Post_Six_Month_Check Char(1) Constraint AdoptAnDet_PostSix CHECK (Post_Six_Month_Check IN
('Y','N')) NOT NULL,
Employee_ID Char(5) Constraint AdoptAnDet_emp_id references ShelterEmployee(Employee_ID) NOT
NULL,
CONSTRAINT AdoptAnDet_pk PRIMARY KEY (Parent_ID, Animal_ID),
```

CONSTRAINT AdoptAnDet_fk FOREIGN KEY (Parent_ID) references AnimalParent(Parent_ID),
CONSTRAINT AdoptAnDet_fk2 FOREIGN KEY (Animal_ID) references AnimalDetails(Animal_ID)
)

	COLUMN_NAME	DATA_T...	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	PARENT_ID	CHAR(5 BYTE)	No	(null)	1	(null)
2	ANIMAL_ID	CHAR(5 BYTE)	No	(null)	2	(null)
3	ADOPTION_DATE	DATE	No	(null)	3	(null)
4	POST_SIX_MONTH_CHECK	CHAR(1 BYTE)	No	(null)	4	(null)
5	EMPLOYEE_ID	CHAR(5 BYTE)	No	(null)	5	(null)

Create Table **FosteredAnimalDetails**
(
Parent_ID Char(5) NOT NULL,
Animal_ID Char(5) NOT NULL,
Foster_Start_Date date NOT NULL,
Foster_End_Date Date,
Employee_ID Char(5) Constraint FosterAnDet_emp_id references ShelterEmployee(Employee_ID) NOT NULL,
CONSTRAINT FosterAnDet_pk PRIMARY KEY (Parent_ID, Animal_ID),
CONSTRAINT FosterAnDet_fk FOREIGN KEY (Parent_ID) references AnimalParent(Parent_ID),
CONSTRAINT FosterAnDet_fk2 FOREIGN KEY (Animal_ID) references AnimalDetails(Animal_ID)
)

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	PARENT_ID	CHAR(5 BYTE)	No	(null)	1	(null)
2	ANIMAL_ID	CHAR(5 BYTE)	No	(null)	2	(null)
3	FOSTER_START_DATE	DATE	No	(null)	3	(null)
4	FOSTER_END_DATE	DATE	Yes	(null)	4	(null)
5	EMPLOYEE_ID	CHAR(5 BYTE)	No	(null)	5	(null)

DML

Tables that will go in the insert statements

Table: AnimalDetails

Animal_ID	Name	Color	Gender	Date_of_Arrival_at_Shelter	Size	Status_ID	Birth_Date	Animal_Origin	SB_ID	Health_ID
10000	Garfield	Orange	M	8/2/2018	S	20001	5/15/2018	S	30001	40001
10001	Scooby	Brown	M	5/5/2019	M	20002	1/25/2019	R	30002	40002
10002	Odie	Black	F	6/2/2019	L	20001	20/1/2019	L	30003	40003
10003	Weezy	White	M	8/25/2019	S	20004	6/2/2019	S	30004	40004
10004	Simon	Black	M	1/1/2019	S	20001	12/28/2018	R	30005	40005
10005	Lola	White	F	1/15/2019	L	20004	1/1/2019	S	30003	40006
10006	Bella	White	F	12/8/2018	S	20004	1/2/2017	S	30006	40007

Table: Species_Breed

SB_ID	Species	Breed
30001	Cat	Abyssinian
30002	Dog	Labrador
30003	Dog	Pitbull Mix
30004	Ferret	Blaze
30005	Rat	Long Hair
30006	Dog	Shihtzu

Table: Volunteer

Volunteer_ID	First_Name	Last_Name	SSN_Number	Date_of_Birth	Address	Email	Phone_Number
50001	Rose	Rogers	234567891	6/25/1993	206 S 13th Street, Philadelphia, PA	r.rogers@yopmail.com	3544434979
50002	Michael	McCallister	234567892	8/3/1991	164 N 12th Street, Philadelphia, PA	m.mccalister@yopmail.com	5538035113
50003	Jordan	White	234567893	2/24/1985	3100 Delran, NJ	jwhite@yopmail.com	6493102067
50004	Raj	Shah	234567894	5/15/1989	473 Chestnut Street, Philadelphia, PA	r.shah@yopmail.com	5895091331

Table: Checkout

Volunteer_ID	Animal_ID	Checkout_Date	Status	Employee_ID
50001	10000	8/25/2019	N	60001
50002	10001	7/30/2019	N	60002
50003	10002	8/15/2019	N	60003
50004	10003	9/2/2019	Y	60002

Table: Status

Status_ID	Status_Details
20001	Fostered
20002	Available to Adopt
20003	Available to Foster
20004	Adopted
20005	Not Applicable

Table: ShelterEmployee

Employee_ID	SSN_Number	First Name	Last Name	Date_of_Birth	Address	Email	Phone_Number	Start_Date	End_Date	Employee_Title	Salary	Active
60001	234567895	John	Snow	3/22/1995	525 Market Street, Philadelphia, PA	j.snow@yopmail.com	3266797883	1/2/2019		Events Lead	50000	Y
60003	234567897	Mark	Hammil	4/30/1963	6823 Frankford Av, Philadelphia, PA	m.hammil@yopmail.com	5067994637	8/2/2000		Owner	80000	Y
60002	234567898	Boba	Fett	1/3/1959	23 S Walnut Street, Philadelphia, PA	b.fett@yopmail.com	8249939229	3/7/2001		Manager	75000	Y

Table: AnimalParent

Parent_ID	SSN_Number	First Name	Last Name	Date_of_Birth	Address	Email	Phone_Number	Parent_Status
70001	834567895	Sally	Hansen	3/28/1986	525 Chestnut Street, Philadelphia, PA	sh@yopmail.com	3266797893	F
70002	734567897	Joe	Beck	4/30/1997	6823 Cornfield Av, Philadelphia, PA	jb@yopmail.com	5067994612	F
70003	934567898	Ron	Vader	1/5/1984	23 S Bakers Street, Philadelphia, PA	rV@yopmail.com	8249939288	A
70004	334567891	Rice	Frank	2/2/1988	65 N Brun Street, Philadelphia, PA	rf@yopmail.com	3152226489	A
70005	434567892	Zoya	Fellis	3/7/2001	2100 Market Street, Philadelphia, PA	zf@yopmail.com	1247589684	F
70006	645678925	Annie	Geller	8/26/1997	3258 Powelton Av, Philadelphia, PA	ag@yopmail.com	6523142578	A

Table: AdoptedAnimalDetails

Parent_ID	Animal_ID	Adoption_Date	Employee_ID	Post_Six_Month_Check
70002	10003	9/1/2019	60003	N
70003	10005	3/26/2019	60002	N
70005	10006	5/6/2018	60003	Y

Table: FosteredAnimalDetails

Parent_ID	Animal_ID	Foster_Date	Employee_ID	Foster_End_Date
70001	10000	6/25/2019	60003	
70003	10002	8/15/2019	60002	
70004	10004	1/28/2019	60001	

Table: HealthConditions

Health_ID	Vaccination_Status	Vaccination_Expiration	Deworm_Status	Additional_Health_Concerns	Animal_ID
40001	Y	1/2/2020	N	Healthy	10000
40002	Y	5/5/2020	N	Healthy	10001
40003	N		N	Post Op	10002
40004	Y	12/18/2020	Y	Healthy	10003
40005	Y	6/25/2020	Y	Broken limb	10004
40006	Y	10/15/2019	N	Healthy	10005
40007	Y	8/5/2020	N	Healthy	10006

Insert Statements

```
INSERT INTO Species_Breed (SB_ID, Species, Breed)
VALUES ('30001', 'Cat', 'Abyssinian');
INSERT INTO Species_Breed (SB_ID, Species, Breed)
VALUES ('30002', 'Dog', 'Labrador');
INSERT INTO Species_Breed (SB_ID, Species, Breed)
VALUES ('30003', 'Dog', 'Pitbull Mix');
INSERT INTO Species_Breed (SB_ID, Species, Breed)
VALUES ('30004', 'Ferret', 'Blaze');
INSERT INTO Species_Breed (SB_ID, Species, Breed)
VALUES ('30005', 'Rat', 'Long Hair');
INSERT INTO Species_Breed (SB_ID, Species, Breed)
VALUES ('30006', 'Dog', 'Shihtzu');
```

Select * FROM Species_Breed;

```
INSERT INTO Species_Breed (SB_ID, Species, Breed)
VALUES ('30001', 'Cat', 'Abyssinian');
INSERT INTO Species_Breed (SB_ID, Species, Breed)
VALUES ('30002', 'Dog', 'Labrador');
INSERT INTO Species_Breed (SB_ID, Species, Breed)
VALUES ('30003', 'Dog', 'Pitbull Mix');
INSERT INTO Species_Breed (SB_ID, Species, Breed)
VALUES ('30004', 'Ferret', 'Blaze');
INSERT INTO Species_Breed (SB_ID, Species, Breed)
VALUES ('30005', 'Rat', 'Long Hair');
INSERT INTO Species_Breed (SB_ID, Species, Breed)
VALUES ('30006', 'Dog', 'Shihtzu');

Select * FROM Species_Breed;
```

Script Output | Query Result | Query Result 1

SQL | All Rows Fetched: 6 in 0.002 seconds

	SB_ID	SPECIES	BREED
1	30001	Cat	Abyssinian
2	30002	Dog	Labrador
3	30003	Dog	Pitbull Mix
4	30004	Ferret	Blaze
5	30005	Rat	Long Hair
6	30006	Dog	Shihtzu

```
INSERT INTO Status (Status_ID, Status_Details)
VALUES ('20001','Fostered');
INSERT INTO Status (Status_ID, Status_Details)
VALUES ('20002','Available to Adopt');
INSERT INTO Status (Status_ID, Status_Details)
VALUES ('20003','Available to Foster');
INSERT INTO Status (Status_ID, Status_Details)
VALUES ('20004','Adopted');
INSERT INTO Status (Status_ID, Status_Details)
VALUES ('20005','Not Applicable');
```

Select * FROM Status;

```
INSERT INTO Status (Status_ID, Status_Details)
VALUES ('20001','Fostered');
INSERT INTO Status (Status_ID, Status_Details)
VALUES ('20002','Available to Adopt');
INSERT INTO Status (Status_ID, Status_Details)
VALUES ('20003','Available to Foster');
INSERT INTO Status (Status_ID, Status_Details)
VALUES ('20004','Adopted');
INSERT INTO Status (Status_ID, Status_Details)
VALUES ('20005','Not Applicable');

Select * FROM Status;
```

Script Output | Query Result | Query Result 1

SQL | All Rows Fetched: 5 in 0.003 seconds

	STATUS_ID	STATUS_DETAILS
1	20001	Fostered
2	20003	Available to Foster
3	20004	Adopted
4	20005	Not Applicable
5	20002	Available to Adopt

```
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter,
AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID, Health_ID)
VALUES ('10000', 'Garfield', 'Orange', 'M', '2-SEPT-2018', 'S', '20001', '15-MAY-2018', 'S', '30001',
'40001');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter,
AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID, Health_ID)
VALUES ('10001', 'Scooby', 'Brown', 'M', '5-May-2019', 'M', '20002', '25-JAN-2019', 'R', '30002', '40002');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter,
AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID, Health_ID)
VALUES ('10002', 'Odie', 'Black', 'M', '2-SEPT-2018', 'L', '20001', '20-JUN-2019', 'L', '30003', '40003');
```

INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10000', 'Garfield', 'Orange', 'M', '2-AUG-2018', 'S', '20001', '15-MAY-2018', 'S', '30001');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10001', 'Scooby', 'Brown', 'M', '5-May-2019', 'M', '20002', '25-JAN-2019', 'R', '30002');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10002', 'Odie', 'Black', 'M', '2-JUN-2018', 'L', '20001', '20-JAN-2019', 'L', '30003');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10003', 'Weezy', 'White', 'M', '25-AUG-2018', 'S', '20004', '2-JUN-2018', 'S', '30004');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10004', 'Simon', 'Black', 'M', '1-JAN-2018', 'S', '20001', '28-DEC-2018', 'R', '30005');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10005', 'Lola', 'White', 'F', '15-JAN-2018', 'L', '20004', '1-JAN-2019', 'S', '30003');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10006', 'Bella', 'White', 'F', '8-DEC-2018', 'S', '20004', '2-JAN-2017', 'S', '30006');

Select * FROM AnimalDetails;

```
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10000', 'Garfield', 'Orange', 'M', '2-AUG-2018', 'S', '20001', '15-MAY-2018', 'S', '30001');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10001', 'Scooby', 'Brown', 'M', '5-May-2019', 'M', '20002', '25-JAN-2019', 'R', '30002');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10002', 'Odie', 'Black', 'M', '2-JUN-2018', 'L', '20001', '20-JAN-2019', 'L', '30003');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10003', 'Weezy', 'White', 'M', '25-AUG-2018', 'S', '20004', '2-JUN-2018', 'S', '30004');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10004', 'Simon', 'Black', 'M', '1-JAN-2018', 'S', '20001', '28-DEC-2018', 'R', '30005');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10005', 'Lola', 'White', 'F', '15-JAN-2018', 'L', '20004', '1-JAN-2019', 'S', '30003');
INSERT INTO AnimalDetails (Animal_ID, AnimalName, Color, Gender, Date_of_Arrival_at_Shelter, AnimalSize, Status_ID, Birth_Date, Animal_Origin, SB_ID)
VALUES ('10006', 'Bella', 'White', 'F', '8-DEC-2018', 'S', '20004', '2-JAN-2017', 'S', '30006');

Select * FROM AnimalDetails;
```

Script Output | Query Result | Query Result 1 | Query Result 2

SQL | All Rows Fetched: 7 in 0.002 seconds

	ANIMAL_ID	ANIMALNAME	COLOR	GENDER	DATE_OF_ARRIVAL_AT_SHELTER	ANIMALSIZE	STATUS_ID	BIRTH_DATE	ANIMAL_ORIGIN	SB_ID
1	10001	Scooby	Brown	M	05-MAY-19	M	20002	25-JAN-19	R	30002
2	10003	Weezy	White	M	25-AUG-18	S	20004	02-JUN-18	S	30004
3	10004	Simon	Black	M	01-JAN-18	S	20001	28-DEC-18	R	30005
4	10005	Lola	White	F	15-JAN-18	L	20004	01-JAN-19	S	30003
5	10006	Bella	White	F	08-DEC-18	S	20004	02-JAN-17	S	30006
6	10002	Odie	Black	M	02-JUN-18	L	20001	20-JAN-19	L	30003
7	10000	Garfield	Orange	M	02-AUG-18	S	20001	15-MAY-18	S	30001

INSERT INTO Volunteer (Volunteer_ID, First_Name, Last_Name, SSN_Number, Date_of_Birth, Address, Email, Phone_Number)
VALUES ('50001', 'Rose', 'Rogers', '234567891', '25-JUN-1993', '206 S 13th Street, Philadephia, PA', 'r.rogers@yopmail.com', '3544434979');
INSERT INTO Volunteer (Volunteer_ID, First_Name, Last_Name, SSN_Number, Date_of_Birth, Address, Email, Phone_Number)
VALUES ('50002', 'Michael', 'McCallister', '234567892', '3-AUG-1991', '164 N 12th Street, Philadelphia, PA', 'm.mccalister@yopmail.com', '5538035113');
INSERT INTO Volunteer (Volunteer_ID, First_Name, Last_Name, SSN_Number, Date_of_Birth, Address, Email, Phone_Number)
VALUES ('50003', 'Jordon', 'White', '234567893', '24-FEB-1985', '3100 Delran, NJ', 'jwhite@yopmail.com', '6493102067');
INSERT INTO Volunteer (Volunteer_ID, First_Name, Last_Name, SSN_Number, Date_of_Birth, Address, Email, Phone_Number)
VALUES ('50004', 'Raj', 'Shah', '234567894', '5-MAY-1993', '473 Chestnut Street, Philadelphia, PA', 'rs.shah@yopmail.com', '5895091331');

Select * FROM Volunteer;

```
INSERT INTO Volunteer (Volunteer_ID, First_Name, Last_Name, SSN_Number, Date_of_Birth, Address, Email, Phone_Number)
VALUES ('50001', 'Rose', 'Rogers', '234567891', '25-JUN-1993', '206 S 13th Street, Philadephia, PA', 'r.rogers@yopmail.com', '3544434979');
INSERT INTO Volunteer (Volunteer_ID, First_Name, Last_Name, SSN_Number, Date_of_Birth, Address, Email, Phone_Number)
VALUES ('50002', 'Michael', 'McCallister', '234567892', '3-AUG-1991', '164 N 12th Street, Philadelphia, PA', 'm.mccalister@yopmail.com', '5538035113');
INSERT INTO Volunteer (Volunteer_ID, First_Name, Last_Name, SSN_Number, Date_of_Birth, Address, Email, Phone_Number)
VALUES ('50003', 'Jordon', 'White', '234567893', '24-FEB-1985', '3100 Delran, NJ', 'jwhite@yopmail.com', '6493102067');
INSERT INTO Volunteer (Volunteer_ID, First_Name, Last_Name, SSN_Number, Date_of_Birth, Address, Email, Phone_Number)
VALUES ('50004', 'Raj', 'Shah', '234567894', '5-MAY-1993', '473 Chestnut Street, Philadelphia, PA', 'rs.shah@yopmail.com', '5895091331');

Select * FROM Volunteer;
```

Script Output | Query Result | Query Result 1 | Query Result 2

SQL | All Rows Fetched: 4 in 0.001 seconds

	VOLUNTEER_ID	FIRST_NAME	LAST_NAME	SSN_NUMBER	DATE_OF_BIRTH	ADDRESS	EMAIL	PHONE_NUMBER
1	50001	Rose	Rogers	234567891	25-JUN-93	206 S 13th Street, Philadephia, PA	r.rogers@yopmail.com	3544434979
2	50002	Michael	McCallister	234567892	03-AUG-91	164 N 12th Street, Philadelphia, PA	m.mccalister@yopmail.com	5538035113
3	50003	Jordon	White	234567893	24-FEB-85	3100 Delran, NJ	jwhite@yopmail.com	6493102067
4	50004	Raj	Shah	234567894	05-MAY-93	473 Chestnut Street, Philadelphia, PA	rs.shah@yopmail.com	5895091331

INSERT INTO ShelterEmployee (Employee_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Start_Date, End_Date, Employee_Title, Salary, Active)
VALUES ('60001', '234567895', 'John', 'Snow', '22-MAR-1995', '525 Market Street, Philadephia, PA', 'j.snow@yopmail.com', '3266679783', '2-JAN-2019','', 'Events Lead', '50000', 'Y');
INSERT INTO ShelterEmployee (Employee_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Start_Date, End_Date, Employee_Title, Salary, Active)
VALUES ('60003', '234567897', 'Mark', 'Hammil', '30-APR-1963', '6823 Frankford Av, Philadephia, PA', 'm.hammil@yopmail.com', '5067994637', '2-AUG-2000','', 'Owner', '50000', 'Y');
INSERT INTO ShelterEmployee (Employee_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Start_Date, End_Date, Employee_Title, Salary, Active)
VALUES ('60002', '234567898', 'Boba', 'Fett', '3-JAN-1959', '23 S Walnut Street, Philadephia, PA', 'b.fett@yopmail.com', '8249939229', '7-MAR-2001','', 'Manager', '75000', 'Y');

Select * FROM ShelterEmployee;

```
INSERT INTO ShelterEmployee (Employee_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Start_Date, End_Date, Employee_Title, Salary, Active)
VALUES ('60001', '234567895', 'John', 'Snow', '22-MAR-1995', '525 Market Street, Philadephia, PA', 'j.snow@yopmail.com', '3266679783', '2-JAN-2019','', 'Events Lead', '50000', 'Y');
INSERT INTO ShelterEmployee (Employee_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Start_Date, End_Date, Employee_Title, Salary, Active)
VALUES ('60003', '234567897', 'Mark', 'Hammil', '30-APR-1963', '6823 Frankford Av, Philadephia, PA', 'm.hammil@yopmail.com', '5067994637', '2-AUG-2000','', 'Owner', '50000', 'Y');
INSERT INTO ShelterEmployee (Employee_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Start_Date, End_Date, Employee_Title, Salary, Active)
VALUES ('60002', '234567898', 'Boba', 'Fett', '3-JAN-1959', '23 S Walnut Street, Philadephia, PA', 'b.fett@yopmail.com', '8249939229', '7-MAR-2001','', 'Manager', '75000', 'Y');

Select * FROM ShelterEmployee;
```

Script Output | Query Result | Query Result 1 | Query Result 2

SQL | All Rows Fetched: 3 in 0.002 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SSN_NUMBER	DATE_OF_BIRTH	ADDRESS	EMAIL	PHONE_NUMBER	START_DATE	END_DATE	EMPLOYEE_TITLE	SALARY	ACTIVE
1	60003	Mark	Hammil	234567897	30-APR-63	6823 Frankford Av, Philadephia, PA	m.hammil@yopmail.com	5067994637	02-AUG-00	(null)	Owner	50000	Y
2	60002	Boba	Fett	234567898	03-JAN-59	23 S Walnut Street, Philadephia, PA	b.fett@yopmail.com	8249939229	07-MAR-01	(null)	Manager	75000	Y
3	60001	John	Snow	234567895	22-MAR-95	525 Market Street, Philadephia, PA	j.snow@yopmail.com	3266679783	02-JAN-19	(null)	Events Lead	50000	Y

INSERT INTO Checkout (Volunteer_ID, Animal_ID, Checkout_Date, Status, Employee_ID)
VALUES ('50001', '10000', '25-AUG-2019', 'N', '60001');
INSERT INTO Checkout (Volunteer_ID, Animal_ID, Checkout_Date, Status, Employee_ID)
VALUES ('50002', '10001', '30-JUL-2019', 'N', '60002');
INSERT INTO Checkout (Volunteer_ID, Animal_ID, Checkout_Date, Status, Employee_ID)
VALUES ('50003', '10002', '15-AUG-2019', 'N', '60003');
INSERT INTO Checkout (Volunteer_ID, Animal_ID, Checkout_Date, Status, Employee_ID)
VALUES ('50004', '10003', '25-AUG-2019', 'Y', '60002');

Select * FROM Checkout;

```
INSERT INTO Checkout (Volunteer_ID, Animal_ID, Checkout_Date, Status, Employee_ID)
VALUES ('50001', '10000', '25-AUG-2019', 'N', '60001');
INSERT INTO Checkout (Volunteer_ID, Animal_ID, Checkout_Date, Status, Employee_ID)
VALUES ('50002', '10001', '30-JUL-2019', 'N', '60002');
INSERT INTO Checkout (Volunteer_ID, Animal_ID, Checkout_Date, Status, Employee_ID)
VALUES ('50003', '10002', '15-AUG-2019', 'N', '60003');
INSERT INTO Checkout (Volunteer_ID, Animal_ID, Checkout_Date, Status, Employee_ID)
VALUES ('50004', '10003', '25-AUG-2019', 'Y', '60002');

Select * FROM Checkout;
```

Script Output | Query Result | Query Result 1 | Query Result 2

SQL | All Rows Fetched: 4 in 0.001 seconds

	VOLUNTEER_ID	ANIMAL_ID	CHECKOUT_DATE	STATUS	EMPLOYEE_ID
1	50001	10000	25-AUG-19	N	60001
2	50002	10001	30-JUL-19	N	60002
3	50003	10002	15-AUG-19	N	60003
4	50004	10003	25-AUG-19	Y	60002

INSERT INTO AnimalParent (Parent_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Parent_Status)
VALUES ('70001', '834567895', 'Sally', 'Hansen', '28-MAR-1986', '525 Chestnut Street, Philadephia, PA', 'sh@yopmail.com', '3266797893', 'F');
INSERT INTO AnimalParent (Parent_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Parent_Status)

VALUES ('70002', '734567897', 'Joe', 'Beck', '30-APR-1986', '6823 Cornfield Av, Philadephia, PA', 'jb@yopmail.com', '5067994612', 'F');
INSERT INTO AnimalParent (Parent_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Parent_Status)
VALUES ('70003', '934567989', 'Ron', 'Vader', '5-JAN-1986', '23 S Bakers Street, Philadephia, PA', 'rV@yopmail.com', '8249939288', 'A');
INSERT INTO AnimalParent (Parent_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Parent_Status)
VALUES ('70004', '334567891', 'Rice', 'Frank', '2-FEB-1986', '65 N Brun Street, Philadephia, PA', 'rf@yopmail.com', '3152226489', 'A');
INSERT INTO AnimalParent (Parent_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Parent_Status)
VALUES ('70005', '434567892', 'Zoya', 'Fellis', '7-MAR-2001', '2001 Market Street, Philadephia, PA', 'zf@yopmail.com', '1247589684', 'F');
INSERT INTO AnimalParent (Parent_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Parent_Status)
VALUES ('70006', '645678925', 'Annie', 'Geller', '26-AUG-1997', '3258 Powelton Av, Philadephia, PA', 'ag@yopmail.com', '6523142578', 'A');

Select * FROM AnimalParent;

```
VALUES ('70001', '834567895', 'Sally', 'Hansen', '28-MAR-1986', '525 Chestnut Street, Philadephia, PA', 'sh@yopmail.com', '3266797893', 'F');
INSERT INTO AnimalParent (Parent_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Parent_Status)
VALUES ('70002', '734567897', 'Joe', 'Beck', '30-APR-1986', '6823 Cornfield Av, Philadephia, PA', 'jb@yopmail.com', '5067994612', 'F');
INSERT INTO AnimalParent (Parent_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Parent_Status)
VALUES ('70003', '934567989', 'Ron', 'Vader', '5-JAN-1986', '23 S Bakers Street, Philadephia, PA', 'rV@yopmail.com', '8249939288', 'A');
INSERT INTO AnimalParent (Parent_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Parent_Status)
VALUES ('70004', '334567891', 'Rice', 'Frank', '2-FEB-1986', '65 N Brun Street, Philadephia, PA', 'rf@yopmail.com', '3152226489', 'A');
INSERT INTO AnimalParent (Parent_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Parent_Status)
VALUES ('70005', '434567892', 'Zoya', 'Fellis', '7-MAR-2001', '2001 Market Street, Philadephia, PA', 'zf@yopmail.com', '1247589684', 'F');
INSERT INTO AnimalParent (Parent_ID, SSN_Number, First_Name, Last_Name, Date_of_Birth, Address, Email, Phone_Number, Parent_Status)
VALUES ('70006', '645678925', 'Annie', 'Geller', '26-AUG-1997', '3258 Powelton Av, Philadephia, PA', 'ag@yopmail.com', '6523142578', 'A');

Select * FROM AnimalParent;
```

Script Output | Query Result | Query Result 1 | Query Result 2

SQL | All Rows Fetched: 6 in 0.002 seconds

	PARENT_ID	FIRST_NAME	LAST_NAME	SSN_NUMBER	DATE_OF_BIRTH	ADDRESS	EMAIL	PHONE_NUMBER	PARENT_STATUS
1	70001	Sally	Hansen	834567895	28-MAR-86	525 Chestnut Street, Philadephia, PA	sh@yopmail.com	3266797893	F
2	70002	Joe	Beck	734567897	30-APR-86	6823 Cornfield Av, Philadephia, PA	jb@yopmail.com	5067994612	F
3	70003	Ron	Vader	934567989	05-JAN-86	23 S Bakers Street, Philadephia, PA	rV@yopmail.com	8249939288	A
4	70004	Rice	Frank	334567891	02-FEB-86	65 N Brun Street, Philadephia, PA	rf@yopmail.com	3152226489	A
5	70005	Zoya	Fellis	434567892	07-MAR-01	2001 Market Street, Philadephia, PA	zf@yopmail.com	1247589684	F
6	70006	Annie	Geller	645678925	26-AUG-97	3258 Powelton Av, Philadephia, PA	ag@yopmail.com	6523142578	A

INSERT INTO AdoptedAnimalDetails (Parent_ID, Animal_ID, Adoption_Date, Employee_ID, Post_Six_Month_Check)
VALUES ('70002', '10003', '1-SEP-2019', '60003', 'N');
INSERT INTO AdoptedAnimalDetails (Parent_ID, Animal_ID, Adoption_Date, Employee_ID, Post_Six_Month_Check)
VALUES ('70003', '10005', '26-MAR-2019', '60002', 'N');
INSERT INTO AdoptedAnimalDetails (Parent_ID, Animal_ID, Adoption_Date, Employee_ID, Post_Six_Month_Check)
VALUES ('70005', '10006', '6-MAY-2019', '60003', 'Y');

Select * FROM AdoptedAnimalDetails;

```
INSERT INTO AdoptedAnimalDetails (Parent_ID, Animal_ID, Adoption_Date, Employee_ID, Post_Six_Month_Check)
VALUES ('70002', '10003', '1-SEP-2019', '60003', 'N');
INSERT INTO AdoptedAnimalDetails (Parent_ID, Animal_ID, Adoption_Date, Employee_ID, Post_Six_Month_Check)
VALUES ('70003', '10005', '26-MAR-2019', '60002', 'N');
INSERT INTO AdoptedAnimalDetails (Parent_ID, Animal_ID, Adoption_Date, Employee_ID, Post_Six_Month_Check)
VALUES ('70005', '10006', '6-MAY-2019', '60003', 'Y');

Select * FROM AdoptedAnimalDetails;
```

Script Output | Query Result | Query Result 1 | Query Result 2

SQL | All Rows Fetched: 3 in 0.002 seconds

	PARENT_ID	ANIMAL_ID	ADOPTION_DATE	POST_SIX_MONTH_CHECK	EMPLOYEE_ID
1	70002	10003	01-SEP-19	N	60003
2	70003	10005	26-MAR-19	N	60002
3	70005	10006	06-MAY-19	Y	60003

INSERT INTO FosteredAnimalDetails (Parent_ID, Animal_ID, Foster_Start_Date, Employee_ID, Foster_End_Date)
VALUES ('70001', '10000', '25-JUN-2019', '60003', '');
INSERT INTO FosteredAnimalDetails (Parent_ID, Animal_ID, Foster_Start_Date, Employee_ID, Foster_End_Date)
VALUES ('70003', '10002', '15-AUG-2019', '60002', '');
INSERT INTO FosteredAnimalDetails (Parent_ID, Animal_ID, Foster_Start_Date, Employee_ID, Foster_End_Date)
VALUES ('70004', '10004', '28-JAN-2019', '60001', '');

Select * FROM FosteredAnimalDetails;

```
INSERT INTO FosteredAnimalDetails (Parent_ID, Animal_ID, Foster_Start_Date, Employee_ID, Foster_End_Date)
VALUES ('70001', '10000', '25-JUN-2019', '60003', '');
INSERT INTO FosteredAnimalDetails (Parent_ID, Animal_ID, Foster_Start_Date, Employee_ID, Foster_End_Date)
VALUES ('70003', '10002', '15-AUG-2019', '60002', '');
INSERT INTO FosteredAnimalDetails (Parent_ID, Animal_ID, Foster_Start_Date, Employee_ID, Foster_End_Date)
VALUES ('70004', '10004', '28-JAN-2019', '60001', '');

Select * FROM FosteredAnimalDetails;
```

Script Output | Query Result | Query Result 1 | Query Result 2

SQL | All Rows Fetched: 3 in 0.002 seconds

	PARENT_ID	ANIMAL_ID	FOSTER_START_DATE	FOSTER_END_DATE	EMPLOYEE_ID
1	70001	10000	25-JUN-19	(null)	60003
2	70003	10002	15-AUG-19	(null)	60002
3	70004	10004	28-JAN-19	(null)	60001

INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)

VALUES ('40001', 'Y', '2-JAN-2020', 'N', 'Healthy', '10000');
INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)
VALUES ('40002', 'Y', '5-MAY-2020', 'N', 'Healthy', '10001');
INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)
VALUES ('40003', 'N', '', 'N', 'Post Op', '10002');
INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)
VALUES ('40004', 'Y', '18-DEC-2020', 'Y', 'Healthy', '10003');
INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)
VALUES ('40005', 'Y', '25-JUN-2020', 'N', 'Broken limb', '10004');
INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)
VALUES ('40006', 'Y', '15-OCT-2019', 'N', 'Healthy', '10005');
INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)
VALUES ('40007', 'Y', '5-AUG-2020', 'N', 'Healthy', '10006');

Select * From HealthCondition

```
INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)
VALUES ('40001', 'Y', '2-JAN-2020', 'N', 'Healthy', '10000');
INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)
VALUES ('40002', 'Y', '5-MAY-2020', 'N', 'Healthy', '10001');
INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)
VALUES ('40003', 'N', '', 'N', 'Post Op', '10002');
INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)
VALUES ('40004', 'Y', '18-DEC-2020', 'Y', 'Healthy', '10003');
INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)
VALUES ('40005', 'Y', '25-JUN-2020', 'N', 'Broken limb', '10004');
INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)
VALUES ('40006', 'Y', '15-OCT-2019', 'N', 'Healthy', '10005');
INSERT INTO HealthCondition (Health_ID, Vaccination_Status, Vaccination_Expiration, Deworm_Status, Additional_Health_Concerns, Animal_ID)
VALUES ('40007', 'Y', '5-AUG-2020', 'N', 'Healthy', '10006');

Select * From HealthCondition
```

Script Output | Query Result | Query Result 1 | Query Result 2

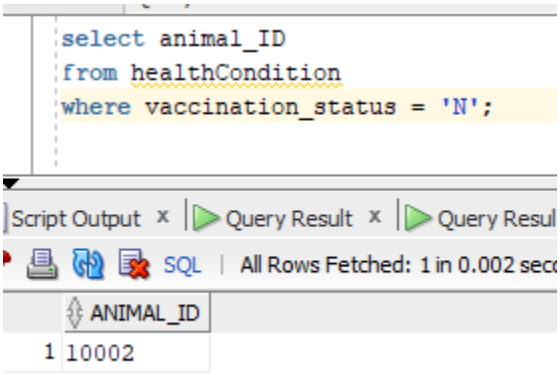
SQL | All Rows Fetched: 7 in 0.003 seconds

	HEALTH_ID	VACCINATION_STATUS	VACCINATION_EXPIRATION	DEWORM_STATUS	ADDITIONAL_HEALTH_CONCERNS	ANIMAL_ID
1	40001	Y	02-JAN-20	N	Healthy	10000
2	40002	Y	05-MAY-20	N	Healthy	10001
3	40003	N	(null)	N	Post Op	10002
4	40004	Y	18-DEC-20	Y	Healthy	10003
5	40005	Y	25-JUN-20	N	Broken limb	10004
6	40007	Y	05-AUG-20	N	Healthy	10006
7	40006	Y	15-OCT-19	N	Healthy	10005

QUERIES

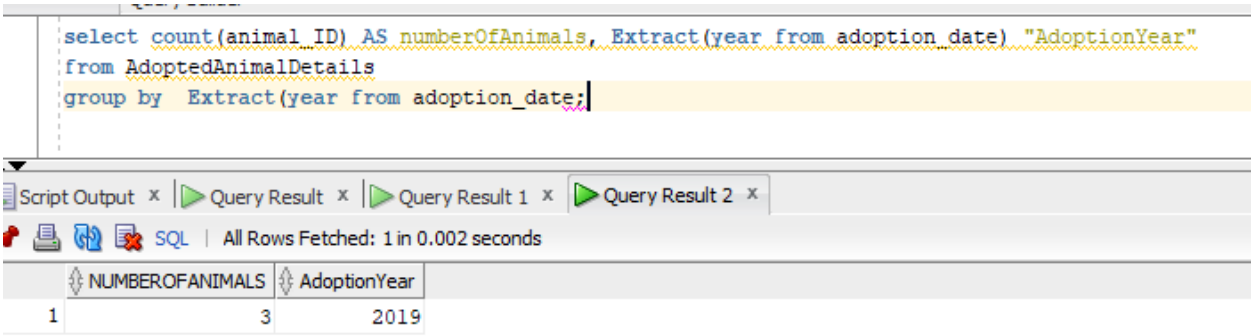
List of animals who are not vaccinated and need to be vaccinated

```
select animal_ID
from healthCondition
where vaccination_status = 'N';
```



Number of animals adopted each year

```
select count(animal_ID) AS numberOfAnimals, Extract(year from
adoption_date) "AdoptionYear"
from AdoptedAnimalDetails
group by  Extract(year from adoption_date;
```



Number of volunteers each year

```
select count(animal_ID) AS numberOfAnimals, Extract(year from
Checkout_Date) "AdoptionYear"
from Checkout
where status = 'Y'
```

```
group by  Extract(year from Checkout_Date);
```

```
select count(animal_ID) AS numberOfAnimals, Extract(year from Checkout_Date) "AdoptionYear"
from Checkout
where status = 'Y'
group by  Extract(year from Checkout_Date);
```

Script Output | Query Result | Query Result 1 | Query Result 2

SQL | All Rows Fetched: 1 in 0.002 seconds

	NUMBEROFANIMALS	AdoptionYear
1	1	2019

Number of animals per species

```
Select Species, count(NumberofAnimals) AS numberOfAnimals_Per_Species

FROM (SELECT ANIMALDETAILS.Animal_ID AS numberOfAnimals,
species_breed.species AS Species

FROM ANIMALDETAILS

FULL OUTER JOIN Species_Breed

ON ANIMALDETAILS.SB_ID = Species_Breed.SB_ID)

GROUP BY Species;
```

```
Select Species, count(NumberofAnimals) AS numberOfAnimals_Per_Species
FROM (SELECT ANIMALDETAILS.Animal_ID AS numberOfAnimals, species_breed.species AS Species
FROM ANIMALDETAILS
FULL OUTER JOIN Species_Breed
ON ANIMALDETAILS.SB_ID = Species_Breed.SB_ID)
GROUP BY Species;
```

Script Output | Query Result | Query Result 1 | Query Result 2

SQL | All Rows Fetched: 4 in 0.002 seconds

	SPECIES	NUMBEROFANIMALS_PER_SPECIES
1	Dog	4
2	Ferret	1
3	Rat	1
4	Cat	1

Number of animal parents who foster and who adopt

```
Select Parent_Status, count(Parent_ID)

FROM AnimalParent

GROUP BY Parent_Status;
```

```
Select Parent_Status, count(Parent_ID)
FROM AnimalParent
GROUP BY Parent_Status;
```

Script Output | Query Result | Query Result 1

SQL | All Rows Fetched: 2 in 0.002 seconds

	PARENT_STATUS	COUNT(PARENT_ID)
1	A	3
2	F	3

List of employees who assisted animal parents whose salary is 50000 or less

```
Select ShelterEmployee.First_Name, ShelterEmployee.Last_Name

FROM AdoptedAnimalDetails

INNER JOIN ShelterEmployee ON AdoptedAnimalDetails.Employee_ID =
ShelterEmployee.Employee_ID

where ShelterEmployee.Salary >= 50000

UNION

Select ShelterEmployee.First_Name, ShelterEmployee.Last_Name

FROM FosteredAnimalDetails

INNER JOIN ShelterEmployee ON FosteredAnimalDetails.Employee_ID =
ShelterEmployee.Employee_ID

where ShelterEmployee.Salary >= 50000;
```

```
Select ShelterEmployee.First_Name, ShelterEmployee.Last_Name
FROM AdoptedAnimalDetails
INNER JOIN ShelterEmployee ON AdoptedAnimalDetails.Employee_ID = ShelterEmployee.Employee_
where ShelterEmployee.Salary >= 50000
UNION
Select ShelterEmployee.First_Name, ShelterEmployee.Last_Name
FROM FosteredAnimalDetails
INNER JOIN ShelterEmployee ON FosteredAnimalDetails.Employee_ID = ShelterEmployee.Employee_
where ShelterEmployee.Salary >= 50000;
```

Script Output | Query Result | Query Result 1 | Query Result 2

SQL | All Rows Fetched: 3 in 0.012 seconds

	FIRST_NAME	LAST_NAME
1	Boba	Fett
2	John	Snow
3	Mark	Hammil