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CSC 423  
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### Project Part 3

#### 3c. Contents of the Database:

All contents of the database were shown using SELECT statements, which can be found in the code on Github.

#### Clinic:

	clinicNo	clinicName	clinicAddress	clinicPhoneNumber
0	11	Healthy Paws	49 Clay St, Miami, FL 33146	3055551234
1	12	Palms Vet	345 Westbrook Dr, Miami, FL 33146	3055553456
2	13	Animal Care and Help	89 South Dixie Hwy, Miami, FL 33146	3055558754
3	14	Coral Gables Vet Clinic	264 Grenada Blvd, Miami, FL 33146	3055559365
4	15	Blue Star Vet	78 Hillside Ave, Miami, FL 33146	3055556543

#### Staff:

	staffNo	staffName	staffAddress	staffDOB	staffPosition	staffSalary	clinicNo
0	1015	Lisa Martinez	5 Iguana Rd, Miami, FL 33146	06-17-1989	Veterinarian Manager	145000	11
1	1002	Henry Green	4 Glades Rd, Boca Raton, FL 33765	11-29-1965	Veterinarian	130000	11
2	1007	Gloria Hernandez	68 Pensacola Dr, Fort Lauderdale, FL 33206	04-05-1995	Veterinarian Technician	45000	11
3	1008	Robert Jones	123 Green St, Kendall, FL 33152	09-12-2000	Receptionist	35000	11
4	1003	Anthony Ramirez	1200 Sunset Drive, Miami, FL 33143	05-23-1975	Veterinarian	125000	12
5	1089	Olivia Torres	840 Coconut Grove Boulevard, Miami, FL 33133	12-25-1983	Veterinarian Manager	135000	12
6	1067	Daniel Perez	567 Wynwood Street, Miami, FL 33127	06-12-1998	Veterinarian Technician	48000	12
7	1019	Emily Woods	243 South Beach Avenue, Miami, FL 33139	10-05-2003	Receptionist	32000	12
8	1056	Clara Rhodes	1025 Little Havana Lane, Miami, FL 33130	03-29-1972	Veterinarian	111000	13
9	1055	Benjamin Cruz	475 Midtown Avenue, Miami, FL 33137	02-12-1969	Veterinarian Manager	120000	13
10	1064	Chloe Ramirez	230 Pinecrest Road, Miami, FL 33156	07-04-1950	Veterinarian	140000	14
11	1068	David Fernandez	718 Allapattah Street, Miami, FL 33142	03-04-1987	Veterinarian Manager	160000	14
12	1071	Mia Rivera	230 Pinecrest Road, Miami, FL 33156	08-29-1950	Veterinarian	112000	15
13	1072	David Fernandez	392 Bay Harbor Lane, Miami, FL 33154	05-13-1987	Veterinarian Manager	125000	15

### PetOwner:

```
(venv) (base) AnnaValente@MacBook-Pro-525 csc423 % python part3.py
   ownerNo    ownerName          ownerAddress  ownerPhoneNumber  clinicNo
0     2000  Ethan Scott      101 Lincoln Road, Miami, FL 33139  3055557382      11
1     2001  Sofia Franks  238 Brickell Avenue, Suite 304, Miami, FL 33131  3055558245      11
2     2002  Noah Garcia      870 Coral Gables Drive, Miami, FL 33134  3055551526      12
3     2003  Liam Johnson     490 Little Havana Avenue, Miami, FL 33130  3055557382      13
4     2004  Ava Clarke        90 South Beach Way, Miami, FL 33139  3055556102      14
5     2005  Nora Johns       95 Allapattah Road, Miami, FL 33142  3055558375      15
Index(['ownerNo', 'ownerName', 'ownerAddress', 'ownerPhoneNumber', 'clinicNo'], dtype='object')
```

### Pet:

```
(venv) (base) AnnaValente@MacBook-Pro-525 csc423 % python part3.py
   petNo   petName      petDOB      animalSpecies      petBreed      petColor  clinicNo  ownerNo
0     200     Lulu  09-10-2017      Felis catus  Siamese cat  White and black      11     2000
1     201   Charlie  01-19-2020  Canis lupus familiaris  Labrador retriever  Black      11     2002
2     202     Kaya  10-29-2018  Canis lupus familiaris  Golden labrador retriever  Yellow     12     2001
3     203    Binx  03-05-2022      Felis catus  Black cat  Black      13     2003
4     204     Zoe  03-05-2022  Canis lupus familiaris  German shepherd pointer  Brown and white     14     2004
5     205    Tigre  05-10-2022  Canis lupus familiaris  German shepherd mix  Brown      15     2005
Index(['petNo', 'petName', 'petDOB', 'animalSpecies', 'petBreed', 'petColor',
       'clinicNo', 'ownerNo'],
```

### Examination:

```
(venv) (base) AnnaValente@MacBook-Pro-525 csc423 % python part3.py
   examNo           complaint      dateSeen           actionsTaken  staffNo  petNo
0     300  Routine vaccinations and check-up.  01-29-2024  Vaccines were administered.  1015     200
1     301  Treatment for an ear infection.  03-04-2024  Ear antibiotics were administered.  1015     201
2     302  Annual wellness exam.  06-17-2024  Pet is displaying signs of arthritis. Follow-u...
3     303  Spay or neuter surgery.  07-01-2024  Surgery was successful. Routine follow-ups wer...
4     304  Skin allergy or rash diagnosis.  09-12-2024  It was determined a medicated bath would solve...
5     305  Removal of a swallowed foreign object.  09-18-2024  Emergency surgery was given and was successful.  1072     205
Index(['examNo', 'complaint', 'dateSeen', 'actionsTaken', 'staffNo', 'petNo'], dtype='object')
(venv) (base) AnnaValente@MacBook-Pro-525 csc423 %
```

### **3d. Updated table contents of the 5 SQL queries responding to 2C:**

*The queries used to update/fetch from the database can be found in the code, as well as the SELECT statements that were used to show the updated tables following the queries.*

1. Register a new pet with the Clinic “Healthy Paws” (clinicNo 0011). The pet’s name is “Brandy” and was born May 5, 2017; is a dog and a yellow golden retriever; and her owner is

Jane Smith (petOwnerNo = 189). Jane Smith's address is 123 Yellow Road, Coral Gables, FL 33146, and her phone number is 305-555-1234.

*Assume that 'Healthy Paws' is already in the database.*

### Pet:

```
Registered new pet and owner successfully.
   petNo  petName      petDOB      animalSpecies      petBreed      petColor  clinicNo  ownerNo
0     200    Lulu  09-10-2017      Felis catus  Siamese cat  White and black    11    2000
1     201  Charlie  01-19-2020  Canis lupus familiaris  Labrador retriever      Black    11    2002
2     202    Kaya  10-29-2018  Canis lupus familiaris  Golden labrador retriever      Yellow    12    2001
3     203   Binx  03-05-2022      Felis catus      Black cat      Black    13    2003
4     204    Zoe  03-05-2022  Canis lupus familiaris  German shepherd pointer  Brown and white    14    2004
5     205   Tigre  05-10-2022  Canis lupus familiaris  German shepherd mix      Brown    15    2005
6     206  Brandy  2017-05-05        Dog  Golden Retriever      Yellow    11    2189
Index(['petNo', 'petName', 'petDOB', 'animalSpecies', 'petBreed', 'petColor',
```

### PetOwner:

```
Terminal Local × + ▾
Registered new pet and owner successfully.
   ownerNo  ownerName      ownerAddress  ownerPhoneNumber  clinicNo
0     2000  Ethan Scott  101 Lincoln Road, Miami, FL 33139  3055557382    11
1     2001  Sofia Franks  238 Brickell Avenue, Suite 304, Miami, FL 33131  3055558245    11
2     2002  Noah Garcia  870 Coral Gables Drive, Miami, FL 33134  3055551526    12
3     2003  Liam Johnson  490 Little Havana Avenue, Miami, FL 33130  3055557382    13
4     2004  Ava Clarke  90 South Beach Way, Miami, FL 33139  3055556102    14
5     2005  Nora Johns  95 Allapattah Road, Miami, FL 33142  3055558375    15
6     2189  Jane Smith  123 Yellow Road, Coral Gables, FL 33146  3055557382    11
Index(['ownerNo', 'ownerName', 'ownerAddress', 'ownerPhoneNumber', 'clinicNo'], dtype='object')
```

2. An examination (examNo = 0021) is scheduled for Charlie, a black Labrador retriever (petNo = 201), at the clinic "Healthy Paws" (clinicNo = 0011). The examination was conducted by Lisa Martinez (staffNo = 1015) on November 20, 2024. The complaint is "persistent itching," and the description notes "allergic reaction suspected." Actions taken include "skin test and prescribed hypoallergenic shampoo."

*Assume that Charlie and 'Healthy Paws' are already in the database.*

### Examination:

```

Terminal Local x + v
(venv) (base) AnnaValente@MacBook-Pro-525 csc423 % python part3.py
Registered new pet and owner successfully.
Scheduled examination for Charlie successfully.
    examNo          complaint      dateSeen           actionsTaken  staffNo  petNo
0     300  Routine vaccinations and check-up. 01-29-2024      Vaccines were administered.  1015    200
1     301  Treatment for an ear infection. 03-04-2024      Ear antibiotics were administered.  1015    201
2     302  Annual wellness exam. 06-17-2024 Pet is displaying signs of arthritis. Follow-u...  1003    202
3     303  Spay or neuter surgery. 07-01-2024 Surgery was successful. Routine follow-ups wer...  1055    203
4     304  Skin allergy or rash diagnosis. 09-12-2024 It was determined a medicated bath would solve...  1064    204
5     305  Removal of a swallowed foreign object. 09-18-2024 Emergency surgery was given and was successful.  1072    205
6     306  Persistent itching 11-20-2024 Skin test and prescribed hypoallergenic shampoo  1015    201
Index(['examNo', 'complaint', 'dateSeen', 'actionsTaken', 'staffNo', 'petNo'], dtype='object')
(venv) (base) AnnaValente@MacBook-Pro-525 csc423 %
224:25 LF UTF-8 4 spaces Python 3.9 (csc423 > part3.py

```

3. List details of the examinations performed by the staff member Lisa Martinez (staffNo = 1015) at the clinic “Healthy Paws” (clinicNo = 0011).

*Assume Lisa Martinez and ‘Healthy Paws’ are already in the database.*

```

Examinations by Lisa Martinez at 'Healthy Paws':
    examNo          complaint      dateSeen           actionsTaken  petName  staffName
0     300  Routine vaccinations and check-up. 01-29-2024      Vaccines were administered.  Lulu  Lisa Martinez
1     301  Treatment for an ear infection. 03-04-2024      Ear antibiotics were administered.  Charlie  Lisa Martinez
2     306  Persistent itching 11-20-2024 Skin test and prescribed hypoallergenic shampoo  Charlie  Lisa Martinez
Empty DataFrame
Columns: [examNo, complaint, dateSeen, actionsTaken, petName, staffName]
Index: []

```

4. Fetch all of the staff’s name and position, and the staff manager’s name, position, and salary, for the clinic “Healthy Paws” (clinicNo = 0011).

*Assume ‘Healthy Paws’ is already in the database and has staff members.*

```

Staff and Manager details for 'Healthy Paws':
    staffName      position  managerName  managerSalary
0     Lisa Martinez  Veterinarian Manager  Lisa Martinez  145000
1     Henry Green    Veterinarian       Lisa Martinez  145000
2   Gloria Hernandez  Veterinarian Technician  Lisa Martinez  145000
3     Robert Jones    Receptionist     Lisa Martinez  145000
Empty DataFrame
Columns: [staffName, position, managerName, managerSalary]
Index: []

```

5. Henry Green (staffNo = 1002), currently a “Veterinarian” that makes \$130,000 a year, was born April 5, 1983. He was promoted to Clinic Manager for “Healthy Paws” (clinicNo = 0011) on November 22, 2024. His official updated position is "Veterinarian and Clinic Manager," with a salary adjustment to \$150,000 per year.

*Assume ‘Healthy Paws’ and Henry Green are already in the database.*

```
Terminal Local × + ▾
Promoted Henry Green successfully.
  staffNo      staffName          staffAddress    staffDOB        staffPosition  staffSalary  clinicNo
  0     1015    Lisa Martinez      5 Iguana Rd, Miami, FL 33146 06-17-1989    Veterinarian Manager    145000       11
  1     1002    Henry Green       4 Glades Rd, Boca Raton, FL 33765 11-29-1965  Veterinarian and Clinic Manager    150000       11
```