

Diep Vu

8 December 2022

Project 3

a, b. The contents of the database created

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DATABASE

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  staffNo   name      phone      DOB      position  salary  clinicNo
0  AL123    Alan    8997799443  14-NOV-82  Manager   80000    WEL
1  MA173    Mary    8997731443  10-AUG-85  Nurse     70000    GEN
2  J0314    John    7867799123  30-JAN-90  Assistant  50000    SAJ
3  HA987    Hailey  8127790043  25-MAY-92  Manager   80000    WEL
4  KY578    Kylian  3057879443  05-DEC-89  Doctor    80000    CAL
Index(['staffNo', 'name', 'phone', 'DOB', 'position', 'salary', 'clinicNo'], dtype='object')

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  clinicNo   name      address      phone  managerStaffNo
0  GEN  General Examination National ...  6473483832      AL123
1  MAJ      Mary-Jane ...  6474644832      MA173
2  WEL      Wellington ...  5613483832      J0314
3  SAJ      San Jose ...  4933412232      KY578
4  CAL      California ...  1233483832      HA987

[5 rows x 5 columns]
Index(['clinicNo', 'name', 'address', 'phone', 'managerStaffNo'], dtype='object')

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  ownerNo   name      address      phone
0  PA395    Pablo  5776 Coconut Drive  7857787909
1  MI305    Mike    7890 5th Str  7850799109
2  RA792    Rachel  1102 Waterloo Ave  1273784109
3  CH791    Christian  1230 5th Str  7400434901
4  IS341    Isabel  1211 Walsh Ave  3057038909
Index(['ownerNo', 'name', 'address', 'phone'], dtype='object')

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  petNo   name      DOB      species  breed      color  ownerNo  clinicNo
0  B0231  Bone    12-OCT-2015  Dog  Golden Retriever  Gold  IS341    MAJ
1  OR211  Orange  30-JUL-2022  Fish  Goldfish  Orange  CH791    WEL
2  NU731  Nugget  12-AUG-2015  Chicken  Roster  Brown  PA395    CAL
3  NI011  Nick    16-MAY-2015  Dog  Poodle  Grey  IS341    MAJ
4  EM231  Emmaaaa  12-FEB-2021  Cat  Tabby  Brown  MI305    SAJ
5  CR842  Cris    10-SEP-2022  Turtle  Red-eared  Brown-red  RA792    GEN
Index(['petNo', 'name', 'DOB', 'species', 'breed', 'color', 'ownerNo',
      'clinicNo'], dtype='object')

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  examNo   complaint      description  ...  actionsTaken  staffNo  petNo
0  DD123    Broken leg  Could not walk ...  Surgery  KY578  B0231
1  ST903    Stomachache  Vomiting ...  Prescribe medicine  MA173  EM231
2  LF523    Lost fin  Could not swim ...  Surgery  HA987  OR211
3  SC383    Seasonal cold  Coughing ...  Prescribed Medicine  J0314  NI011
4  BL023    Broken leg  Bleeding ...  Surgery  KY578  CR842

[5 rows x 7 columns]
Index(['examNo', 'complaint', 'description', 'dateSeen', 'actionsTaken',
      'staffNo', 'petNo'], dtype='object')

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c. Develop 5 SQL queries using embedded SQL

QUERIES

List all the pets whose owner's name is Isabel

	petNo	name	DOB	species	breed	color	ownerNo	clinicNo
0	B0231	Bone	12-OCT-2015	Dog	Golden Retriever	Gold	IS341	MAJ
1	NI011	Nick	16-MAY-2015	Dog	Poodle	Grey	IS341	MAJ

List the name and DOB of all the staff whose salary is greater than 70000

	name	DOB	salary
0	Alan	14-NOV-82	80000
1	Hailey	25-MAY-92	80000
2	Kylian	05-DEC-89	80000

List the name and breed of pets and their owner's name whose complaint is broken leg

	name	breed	name
0	Bone	Golden Retriever	Isabel
1	Cris	Red-eared	Rachel

List the number of pets at each clinic

	clinicNo	name	num_pets
0	CAL	California	1
1	GEN	General Examination National	1
2	MAJ	Mary-Jane	2
3	SAJ	San Jose	1
4	WEL	Wellington	1

List all examinations that requires surgery

	examNo	complaint	description	dateSeen	actionsTaken	staffNo	petNo
0	DD123	Broken leg	Could not walk	30-NOV-2022	Surgery	KY578	B0231
1	LF523	Lost fin	Could not swim	20-AUG-2022	Surgery	HA987	OR211
2	BL023	Broken leg	Bleeding	26-OCT-2022	Surgery	KY578	CR842

Link to my GitHub repository: <https://github.com/ngocdiepvu1/Database-Project3>