Pseudocode: Yonis Ismail

Task 2

Function: quicksort

Call in: my\_list

If not in my list:

Return empty

Else:

Return (sort all the data into ascending oder)

Function newentry(My\_list)

Input data as empty list

Input data2

Append data2 in data

Append data in my\_list

Output my\_list

Function sanctidsearch(my\_list):

input sanct\_id

for each row in my\_list:

if sanct\_id is in row:  
 output row

function abusers(my\_list):

input data as empty list

For each row in treatment\_list:

Append data from 7th element in each row

Remove first element

Call: quicksort(data)

While empty string in data:

Remove empty string

Output data

Function abandoned(my\_list):

input data as empty list

For each row in treatment\_list:

Append data from 8th element in each row

Remove first element

Call: quicksort(data)

While empty string in data:

Remove empty string

Output data

Function animals(my\_list):

Input data as empty list

Input data2 as empty list

Input animal

For each row in my\_list:

If animal is in my\_list:

Append row in data

For each row in data:

If “yes” in 5th element in each row:

Append row in data2

Output data2

Function ALLPETSready(my\_list):

Input data as empty list

Input data2 as empty list

Global data3

Input data3 as empty list

For each row in my\_list:

If dog or cat is in each row:

Append row into data

For each row in data:

If “yes” in 5th element in each row:

Append row in data2

For row in my\_list:

If parrot or canary is in row:

Append row into data2

Output data2

For each row in data2:

Append 1st row in data 2 into data 3

Call: quicksort(data3)

Output data3

Function AllWAready(my\_list):  
 input data as empty list

Global data2

Input data2 as empty list

For each row in my\_list:

If “yes” in 3rd element in each row:

Append row into data

For row in data:  
 append 1st element in each row into data2

Call: quicksort(data2)

Output data2

Open treatment.csv file as treatment:

Treader = treatment

Treatment\_list = list(treader)

Call sanctidsearch( treatment\_list)

Call : Abusers(treatment\_list)

Call: abandoned(treatment\_list)

Call: newentry(treatment\_list)

Open wild animals.csv as wildanimals:

Wreader = wildanimals

Wanimal\_list= list(wreader)

Output wanimal\_list

Call: sanctidsearh(wanimal\_list)

Call: ALLPETSread(wanimal\_list)

Call: newentry(wanimal\_list)

Open pets.csv file as pets:

Preader = csv.reader(pets)

Pet\_list = list(preader)

Output pet\_list

Call: sanctidsearch(pet\_list)

Call: ALLPETSreadt(pet\_list)  
 Call: animals(pet\_list)

Append data2 into data3

Output data3

Newentry(pet\_list)

Task 3:

Function edit surgery(my\_list)

Data = []

Data2 []

Input sanctuary\_id

For each row in my\_list:

If the sanctuary id is present in a row:

Add that row to data

Remove row

Result = []

For each sublist in data:

For each item in the sublist:

Add that row in result

Remove item 3 in result

Input newelement

Insert newelement in 3rd item in result

Add result to my\_list

output "Appending new data the the end.”

output my\_list

Function edit neutering(my\_list)

Data = []

Data2 []

Input sanctuary\_id

For each row in my\_list:

If the sanctuary id is present in a row:

Add that row to data

Remove row

Result = []

For each sublist in data:

For each item in the sublist:

Add that row in result

Remove item 5 in result

Input newelement

Insert newelement in 5th item in result

Add result to my\_list

output "Appending new data the the end.”

output my\_list

Function edit Microchip(my\_list)

Data = []

Data2 []

Input sanctuary\_id

For each row in my\_list:

If the sanctuary id is present in a row:

Add that row to data

Remove row

Result = []

For each sublist in data:

For each item in the sublist:

Add that row in result

Remove item 6 in result

Input newelement

Insert newelement in 6th item in result

Add result to my\_list

output "Appending new data the the end.”

output my\_list

Function edit status pet(my\_list)

Data = []

Data2 []

Input sanctuary\_id

For each row in my\_list:

If the sanctuary id is present in a row:

Add that row to data

Remove row

Result = []

For each sublist in data:

For each item in the sublist:

Add that row in result

Remove item 7 in result

Input newelement

Insert newelement in 7th item in result

Add result to my\_list

output"Appending new data the the end.”

output my\_list

Function edit status WAnimals(my\_list)

Data = []

Data2 []

Input sanctuary\_id

For each row in my\_list:

If the sanctuary id is present in a row:

Add that row to data

Remove row

Result = []

For each sublist in data:

For each item in the sublist:

Add that row in result

Remove item 4 in result

Input newelement

Insert newelement in 4th item in result

Add result to my\_list

output "Appending new data the the end.”

output my\_list

Function edit date of departure(my\_list)

Data = []

Data2 []

Input sanctuary\_id

For each row in my\_list:

If the sanctuary id is present in a row:

Add that row to data

Remove row

Result = []

For each sublist in data:

For each item in the sublist:

Add that row in result

Remove item 9 in result

Input newelement

Insert newelement in 9th item in result

Add result to my\_list

output "Appending new data the the end.”

output my\_list

Function edit destination(my\_list)

Data = []

Data2 []

Input sanctuary\_id

For each row in my\_list:

If the sanctuary id is present in a row:

Add that row to data

Remove row

Result = []

For each sublist in data:

For each item in the sublist:

Add that row in result

Remove item 10 in result

Input newelement

Insert newelement in 10th item in result

Add result to my\_list

output "Appending new data the the end.”

output my\_list

Finished = false

FinishedP = false

FinishedWA = false

open treatment.csv as treatment:

treader = treatment

treatment\_list = list(treader)

while finished is not true:

input choice

if choice is yes

Call: editSurgery

Else if choice is no

Finished = false

Else

Output unknown data

Open pets.csv as pets:

Preader = pets

Pet\_list = list(preader)

Output pet\_list

While finished is not true:

Input choice

If choice is neutering:

Call: editneutering

Else if choice is microchip:  
 call: editMicrochip

Else if choice is status of pet:

Cal: status of pet

Else if choice is date of departure:

Call: editDateofdeparture

Else if choice is destination:

Call: editDestination

Else:

output(“unknown input”)

Input exit

If exit is “y”:

finishedP = True

Open wildanimals.csv file as wildanimals:

wreader = wildanimals

wanimal\_list = list(wreader)

output wanimal\_list

While finished is not true:

Input choice

if choice is status of wild animal:

Call: editstatuswanimal

Else if choice is date of departure:

Call: editDateofdeparture

Else if choice is destination:

Call: editDestination

Else:

output(“unknown input”)

Input exit

If exit is “y”:

finishedWA = True