INFO510 Homework 6

Download the file “INFOx10\_class\_6\_data.txt”. This contains data for a clinical study cohort.

In SQLite, create a table to store this data into, load the data, and then run a query to retrieve all the rows and sort by the cohort column.

Note, remember that you need to name the database as you create it (before you define any tables or load any data).

**Answer:**

# create datebase file#

sqlite3 t1.db

#Creat table with name s6 #

Create Table s6 (StudyID varchar(256) Not null Primary key, Cohort varchar(256), Group1 varchar(256), AgeAtEnrollment Int, DiseaseActivity Int);

# insert the values of columns without missing value#

Insert into s6 values ('y657','Emory','sle',78,8),('y821','Emory','sle',56,10),('sle001','UAB','sle',28,2),('sle003','UAB','sle',36,6),('y340','Emory','sle',57,12),('ROC989','UR','sle',48,6),('ROC887','UR','sle',29,8);

# insert the values of first 4 columns#

Insert into s6 (StudyID, Cohort, Group1, AgeAtEnrollment) values ('ROC465','UR','hc',17),('c112','Emory','hc',54),('hc002','UAB','hc',27),('c878','Emory','hc',19),('c890','Emory','hc',62),('ROC213','UR','hc',32);

#show the header and column mode#

.headers on

.mode column

#show the content of the table#

select \* from s6;

StudyID Cohort Group1 AgeAtEnrollment DiseaseActivity

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y657 Emory sle 78 8

y821 Emory sle 56 10

sle001 UAB sle 28 2

sle003 UAB sle 36 6

y340 Emory sle 57 12

ROC989 UR sle 48 6

ROC887 UR sle 29 8

ROC465 UR hc 17

c112 Emory hc 54

hc002 UAB hc 27

c878 Emory hc 19

c890 Emory hc 62

ROC213 UR hc 32

#quit and Retrieve the table#

.quit

sqlite3 t1.db

.mode column

.headers on

#retrieve all the rows and sort by the cohort column at Ascending order#

select \* from s6 order by Cohort ASC;

StudyID Cohort Group1 AgeAtEnrollment DiseaseActivity

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y657 Emory sle 78 8

y821 Emory sle 56 10

y340 Emory sle 57 12

c112 Emory hc 54

c878 Emory hc 19

c890 Emory hc 62

sle001 UAB sle 28 2

sle003 UAB sle 36 6

hc002 UAB hc 27

ROC989 UR sle 48 6

ROC887 UR sle 29 8

ROC465 UR hc 17

ROC213 UR hc

Reference:

<https://www.w3schools.com/sql/default.asp>

Note: command lines were showed in blue and output was showed in green.