SQL Speedy Work

Overview:

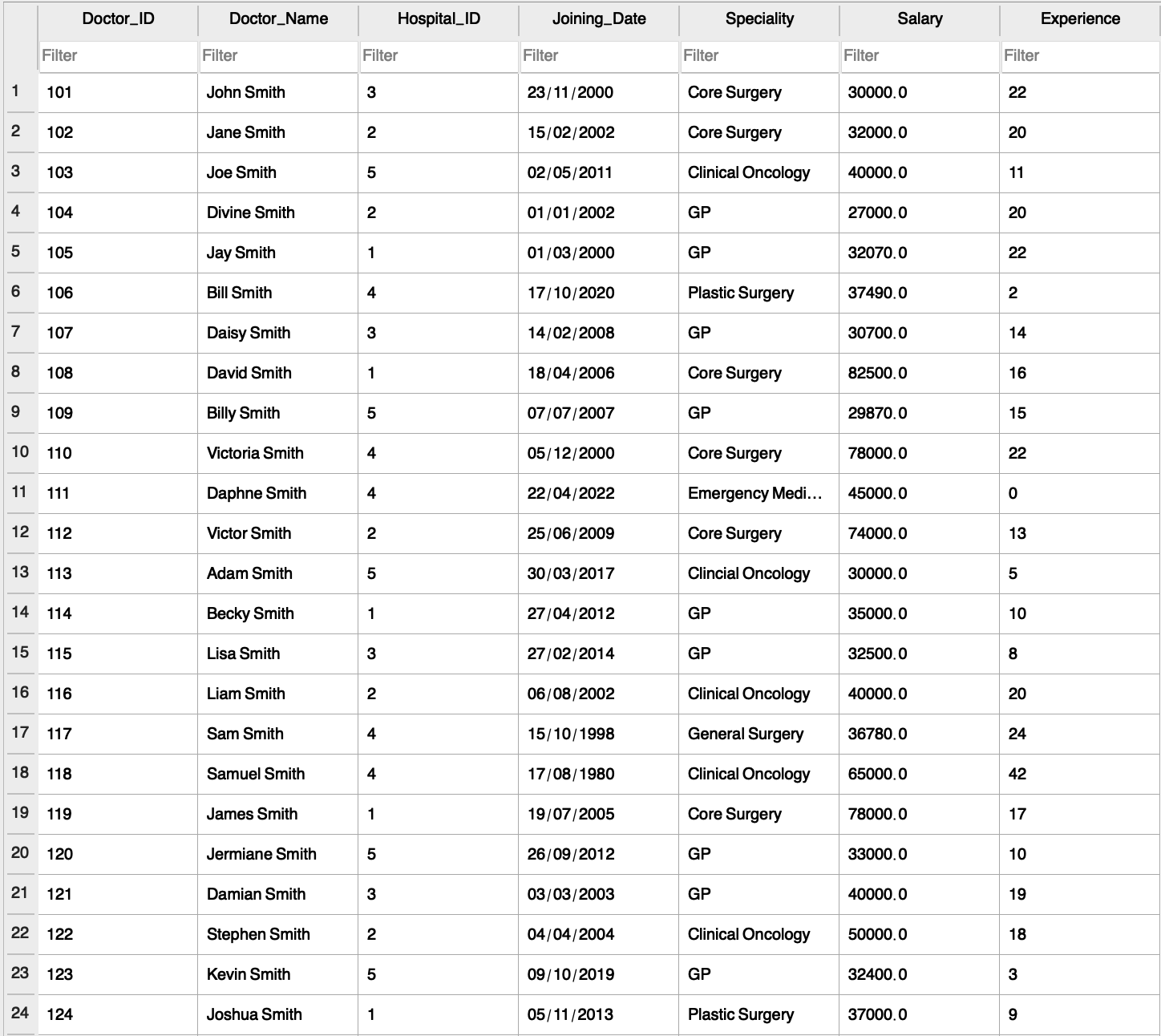
The primary keys for each table was the Hospital\_ID and Doctor\_ID respectively. Both were set to Auto-Increment as each new value was added. Every other column in both tables was set to not null apart from “Experience”. Values were then added to the Experience column.

In order to link both tables together, a foreign key needed to be created between 2 common columns. The foreign key assigned here was the Hospital\_ID. This will allow anyone who wants to find out information about an assigned doctor and their respective hospital to be found out more easily, thus linking the tables.

# Hospital Table

Table

Description automatically generated

Doctor Table

Task: Get the list of the doctors as per given specialty and salary

Graphical user interface

Description automatically generated

Task: Get the list of the doctors from a given hospital

Graphical user interface, application

Description automatically generated

Queries:

﻿RAGMA foreign\_keys = '1';

PRAGMA database\_list;

SELECT type,name,sql,tbl\_name FROM "main".sqlite\_master;

PRAGMA encoding

PRAGMA foreign\_keys = '1';

PRAGMA case\_sensitive\_like = '0';

PRAGMA temp\_store = '0';

PRAGMA wal\_autocheckpoint = '1000';

PRAGMA synchronous = '2';

PRAGMA auto\_vacuum

PRAGMA automatic\_index

PRAGMA checkpoint\_fullfsync

PRAGMA foreign\_keys

PRAGMA fullfsync

PRAGMA ignore\_check\_constraints

PRAGMA journal\_mode

PRAGMA journal\_size\_limit

PRAGMA locking\_mode

PRAGMA max\_page\_count

PRAGMA page\_size

PRAGMA recursive\_triggers

PRAGMA secure\_delete

PRAGMA synchronous

PRAGMA temp\_store

PRAGMA user\_version

PRAGMA wal\_autocheckpoint

SELECT 'x' NOT LIKE 'X'

SELECT COUNT(\*) FROM (SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC);

SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC LIMIT 0, 49999;

SELECT COUNT(\*) FROM (SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC);

SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC LIMIT 0, 49999;

SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC LIMIT 0, 49999;

SELECT COUNT(\*) FROM (SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC);

SELECT COUNT(\*) FROM (SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC);

SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC LIMIT 0, 49999;

SELECT COUNT(\*) FROM (SELECT "\_rowid\_",\* FROM "main"."Hospital" ORDER BY "\_rowid\_" ASC);

SELECT "\_rowid\_",\* FROM "main"."Hospital" ORDER BY "\_rowid\_" ASC LIMIT 0, 49999;

SELECT COUNT(\*) FROM (SELECT "\_rowid\_",\* FROM "main"."Hospital" ORDER BY "Hospital\_ID" DESC);

SELECT "\_rowid\_",\* FROM "main"."Hospital" ORDER BY "Hospital\_ID" DESC LIMIT 0, 49999;

SELECT "\_rowid\_",\* FROM "main"."Hospital" ORDER BY "Hospital\_ID" ASC LIMIT 0, 49999;

SELECT COUNT(\*) FROM (SELECT "\_rowid\_",\* FROM "main"."Hospital" ORDER BY "Hospital\_ID" ASC);

SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC LIMIT 0, 49999;

SELECT COUNT(\*) FROM (SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC);

SELECT COUNT(\*) FROM (SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC);

SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC LIMIT 0, 49999;

SELECT "\_rowid\_",\* FROM "main"."Hospital" ORDER BY "Hospital\_ID" ASC LIMIT 0, 49999;

SELECT COUNT(\*) FROM (SELECT "\_rowid\_",\* FROM "main"."Hospital" ORDER BY "Hospital\_ID" ASC);

SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC LIMIT 0, 49999;

SELECT COUNT(\*) FROM (SELECT "\_rowid\_",\* FROM "main"."Doctors" ORDER BY "\_rowid\_" ASC);