

Database Consoles > 810_startup.db > console [810_startup.db]

Add Configuration...

Database

1: Database

810_startup.db 1

schemas 1

main

grades

StudentCWID TEXT

Course TEXT

Grade TEXT

InstructorCWID TEXT

instructors

CWID TEXT

Name TEXT

Dept TEXT

instructors_pk (CWID)

sqlite_autoindex_instructors_1 (CWID)

majors

Major TEXT

Required/Elective TEXT

Course TEXT

sqlite_master

students

collations 3

2

3

4

5

6

7

8

/*What is the name of the student with CWID='10115' */

select Name from students where CWID = '10115';

Services

Tx

810_startup.db

default 14 ms

HW_11

main.sqlite_master 152 ms

main.sqlite_master 152 ms

main.grades 92 ms

main.grades 92 ms

console 59 ms

console 59 ms

main.instructors 107 ms

main.instructors 107 ms

Output

main.students

1 row

Name

1 Bezos, J

6: TODO

Database Changes

8: Services

Event Log

810_startup.db: Synchronization successful (293 ms) (today 4:26 PM)

47 chars

2:1

LF

UTF-8

4 spaces

Database

810_startup.db

schemas

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grades

StudentCWID

Course

Grade

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instructors

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Name

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instructors_pk

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majors

Major

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collations

console [810_startup.db]

main.sqlite_master [810_startup.db]

main.instructors [810_startup.db]

main.grades [810_startup.db]

/* What is the total number of students by major?*/

select Major, count(*) as [Number of Student]

from students

group by Major;

Services

810_startup.db

default

HW_11

main.sqlite_master

main.grades

console

console

main.instructors

Output

Result 35

2 rows

Major	"Number of Student"
CS	1
SFEN	3

Database Consoles / 810_startup.db / console [810_startup.db]

Database

810_startup.db 1

schemas 1

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StudentCWID TEXT

Course TEXT

Grade TEXT

InstructorCWID TEXT

instructors

CWID TEXT

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Dept TEXT

instructors_pk (CWID)

sqlite_autoindex_instructors_1 (CWID)

majors

Major TEXT

Required/Elective TEXT

Course TEXT

sqlite_master

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collations 3

console [810_startup.db]

main.sqlite_master [810_startup.db]

main.instructors [810_startup.db]

main.grades [810_startup.db]

main

console

```
1 /* what is the most frequent grade for SSW 810 across all students?*/
2 select Grade, count(Grade) as [ GRADE count]
3 from grades
4 where Course = 'SSW 810'
5 group by Grade
6 LIMIT 1;
```

Services

Tx

main.sqlite_master 152 ms

main.sqlite_master 152 ms

main.grades 92 ms

main.grades 92 ms

console 45 ms

console 45 ms

main.instructors 107 ms

main.instructors 107 ms

Output

Result 30

1 row

Comma-...d (CSV)

1

Grade

A

2

" GRADE count"

2

Database Consoles > 810_startup.db > console [810_startup.db]

Database

810_startup.db 1

schemas 1

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Grade TEXT

InstructorCWID TEXT

instructors

CWID TEXT

Name TEXT

Dept TEXT

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Major TEXT

Required/Elective TEXT

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sqlite_master

students

collations 3

console [810_startup.db]

main.sqlite_master [810_startup.db]

main.instructors [810_startup.db]

main.grades [810_startup.db]

main

console

/* Display the name and cwid of each student along with the total number of courses taken by the student*/

select CWID, Name, count(Course) as [Total course]

from students s

join grades g on CWID = studentCWID

group by CWID, Name;

Services

Tx

main.sqlite_master 152 ms

main.sqlite_master 152 ms

main.grades 92 ms

main.grades 92 ms

console 60 ms

console 60 ms

main.instructors 107 ms

main.instructors 107 ms

Output

Result 31

4 rows

Comma-...d (CSV)

Download

Refresh

Zoom

Settings

	CWID	Name	"Total course "
1	10103	Jobs, S	2
2	10115	Bezos, J	2
3	10183	Musk, E	2
4	11714	Gates, B	3

6: TODO

Database Changes

8: Services

9% Event Log

Database

810_startup.db 1

schemas 1

main

grades

StudentCWID TEXT

Course TEXT

Grade TEXT

InstructorCWID TEXT

instructors

CWID TEXT

Name TEXT

Dept TEXT

instructors_pk (CWID)

sqlite_autoindex_instructors_1 (CWID)

majors

Major TEXT

Required/Elective TEXT

Course TEXT

sqlite_master

students

collations 3

console [810_startup.db] x

main.sqlite_master [810_startup.db] x

main.instructors [810_startup.db] x

main.grades [810_startup.db] x

Tx: Auto

main

console

1

2

3

4

5

6

7

8

9

10

11

12

13

/*Display each student's name, CWID, course, grade, and the instructor's name for all students and grades.

The result should be sorted by the student's name.*/

select s.Name as [Name], s.CWID, g.Course, g.Grade, i.Name as [Instructor]

from students s

join grades g on s.CWID = g.StudentCWID

join instructors i on g.InstructorCWID = i.CWID

order by s.Name asc;

Services

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810_startup.db

default 14 ms

HW_11

main.sqlite_master 152 ms

main.sqlite_master 152 ms

main.grades 92 ms

main.grades 92 ms

console 49 ms

console 49 ms

main.instructors 107 ms

main.instructors 107 ms

Output

Result 33 x

9 rows

Comma-...d (CSV)

	Name	CWID	Course	Grade	Instructor
1	Bezos, J	10115	SSW 810	A	Rowland, J
2	Bezos, J	10115	CS 546	F	Hawking, S
3	Gates, B	11714	SSW 810	B-	Rowland, J
4	Gates, B	11714	CS 546	A	Cohen, R
5	Gates, B	11714	CS 570	A-	Hawking, S
6	Jobs, S	10103	SSW 810	A-	Rowland, J
7	Jobs, S	10103	CS 501	B	Hawking, S
8	Musk, E	10183	SSW 555	A	Rowland, J
9	Musk, E	10183	SSW 810	A	Rowland, J

