"""

@author : Syed Mahvish
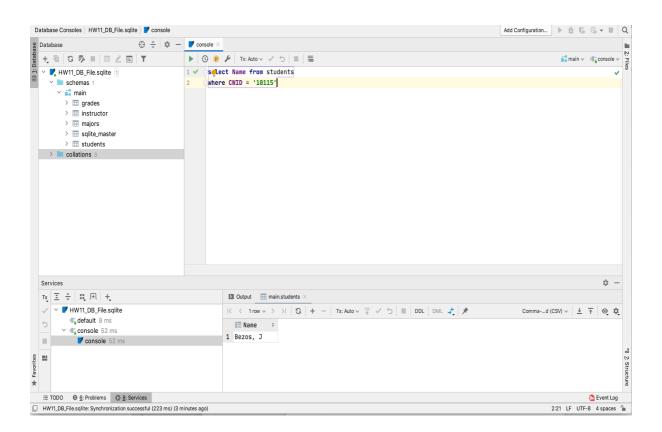**CWID : 10456845**

Github branch for hw11 :
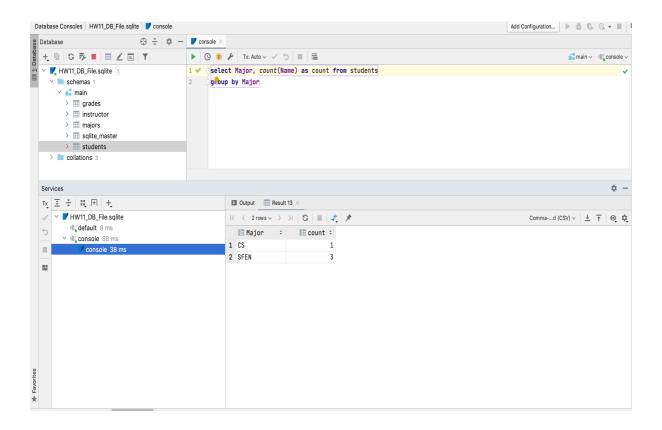**https://github.com/syedmahvish/Student_Repository/tree/HW11**
"""

Homework 11

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

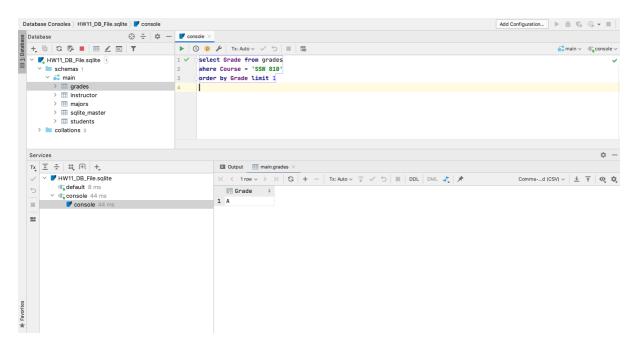select Name from students
where CWID = '10115'

What is the total number of students by major?

select Major, count(Name) as count from students
group by Major

What is the most frequent grade for SSW 810 across all students?

select Grade from grades
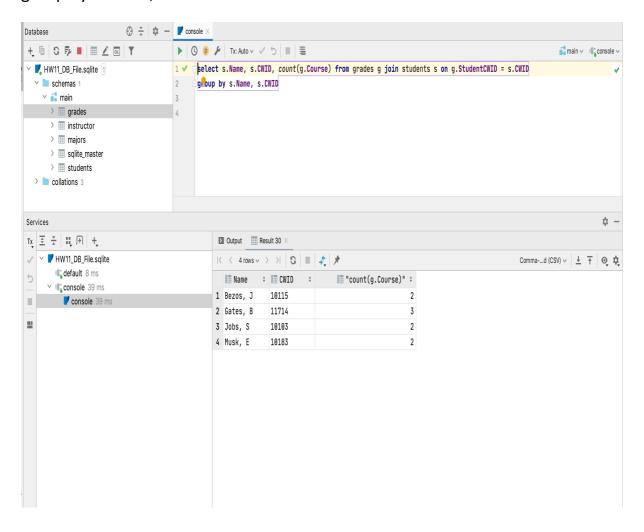where Course = 'SSW 810'
order by Grade limit 1

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

select s.Name, s.CWID, count(g.Course) from

grades g join students s on g.StudentCWID = s.CWID

group by s.Name, s.CWID

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, s.CWID, g.Course, g.Grade, i.Name

from grades g join instructor i on g.InstructorCWID = i.CWID

join students s on g.StudentCWID = s.CWID

order by s.Name

s.Name	CWID	Course	Grade	i.Name
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