- 1 -- enter your commands here
 2 SELECT name, tot_cred, dept_name
- 3 FROM student
- 4 WHERE dept_name = "Comp. Sci."
 5 AND tot_cred >= 50

Execute	Save the db	Load an SQLite database file:

Choose File no file selected

name	tot_cred	dept_name
Zhang	102	Comp. Sci.
Williams	54	Comp. Sci.
Brown	58	Comp. Sci.

1 SELECT name, dept_name 2 FROM student

3 WHERE dept_name = "Comp. Sci."

4 OR dept_name = "Elec. Eng."
5 ORDER BY dept_name, name

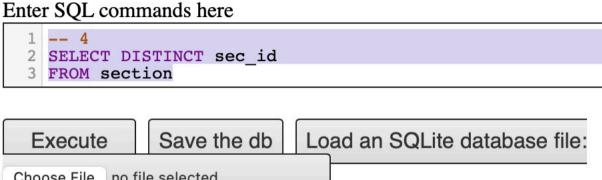
	Execute)	Save the db	Loa	ad an	SQLite	datab	ase	file
				\neg					
1	Choose File	no fil	e selected						

	_
ame dept_	name
wn Comp.	Brown
nkar Comp.	Shankar
liams Comp.	Villiams
ng Comp.	hang
Elec.	oi
rikas Elec.	ourikas

- 1 SELECT name, dept_name, salary
- 2 FROM instructor
- 3 WHERE dept_name
- 4 IN ("Physics", "History", "Finance", "Music")
- 5 ORDER BY dept_name

Execute	9	Save the db	Lo	ad an SQLi	te database file
Choose File	no fil	e selected			

name	dept_name	salary
₩u	Finance	90000
Singh	Finance	80000
El Said	History	60000
Califieri	History	62000
Mozart	Music	40000
Einstein	Physics	95000
Gold	Physics	87000



sec id



```
1 -- enter your commands here
 2 SELECT
3
       name,
 4
       (SELECT MAX(salary) FROM instructor) AS max salary
       FROM instructor
 6
       WHERE max salary = salary;
7
8 SELECT
       name,
10
       salary,
       (SELECT MAX(salary) FROM instructor) AS max salary,
11
12
       ABS(salary - (SELECT MAX(salary) FROM instructor)) AS dif salary FROM instructor;
```

Execute

Save the db

Load an SQLite database file: Choose File no file selected

name max_salary
Einstein 95000

name	salary	max_salary	dif_salary
Srinivasan	65000	95000	30000
₩u	90000	95000	5000
Mozart	40000	95000	55000
Einstein	95000	95000	0
El Said	60000	95000	35000
Gold	87000	95000	8000
Katz	75000	95000	20000
Califieri	62000	95000	33000
Singh	80000	95000	15000
Crick	72000	95000	23000
Brandt	92000	95000	3000
Kim	80000	95000	15000

Enter SQL commands here -- 5 2 SELECT COUNT(DISTINCT course id) AS n course id FROM section; 3 SELECT DISTINCT course id, sec id FROM section; Execute Save the db Load an SQLite database file: Choose File no file selected n_course_id 12 course id sec id BIO-101 BIO-301 CS-101 CS-190 2 CS-190 CS-315 CS-319 1 2 CS-319 1 CS-347 EE-181 FIN-201 HIS-351 MU-199

PHY-101

1

Execute

2 SELECT title, credits, dept_name FROM course WHERE dept_name = "Comp. Sci."

Comp. Sci.

Comp. Sci.

				$\overline{}$				
Choose File	no file selected	d					100	
				title		credits	dept_	name
]	Intro.	to	Computer	Science	4	Comp.	Sci.
	C	Game De	esiç	gn		4	Comp.	Sci.
	F	Robotio	cs			3	Comp.	Sci.

Database System Concepts

Image Processing

Save the db | Load an SQLite database file:

SELECT student.ID, student.name, instructor.name
FROM advisor, instructor, student
WHERE i_id = instructor.ID
AND instructor.name = "Katz"
AND s_id = student.ID

Execute	Save the db	Load an SQLite database file:
Choose File	no file selected	

Choose File no file selecte

ID	name	na
00128	Zhang	Ka
76543	Brown	Ka

Enter SQL commands here

1 -- 9
2 SELECT
3 name,
4 salary,
5 (salary * 1.25) AS resulting_salary,
6 (salary * 0.25) AS difference_salary,-- to match with the query in assignme
7 instructor.dept_name
8 FROM instructor, department
9 WHERE department.dept_name = instructor.dept_name

Execute	Save th	ne db	Load an S	SQLite (database file	e :		
Choose File	o file selected							
	name	salary	resulting_	salary	difference_	salary	dept_	name
	Srinivasan	65000	81250		16250		Comp.	Sci.

18750

23000

Comp. Sci.

Comp. Sci.

AND department.dept name = "Comp. Sci."

75000 93750

92000 115000

Katz

Brandt

11

SELECT takes.ID, title, takes.grade, takes.sec id, takes.semester, takes.year FROM takes, course WHERE ID = "00128"

11 AND takes.course id = course.course id

Save the db Load an SQLite database file: Execute Choose File no file selected

ID	title	grade	sec_id	semester	year			
00128	Intro. to Computer Science	A	1	Fall	2017			
00128	Database System Concepts	A-	1	Fall	2017			