# Introduction of Computer

# Homework 4 Report

Name: 徐子程

Student ID: B06602037

SQLITE DB Browser version: 3.11.99

Please use any legal SQLite commands to finish the following questions.

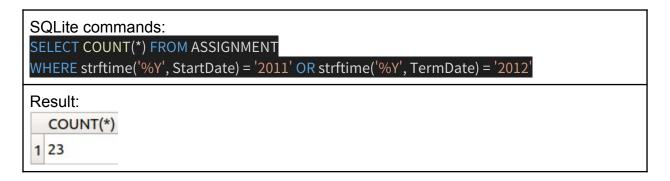
HW# 4-1 (10%): Find the Dept which contain job "Cook" or "Executive Chef".

SQLite commands: SELECT DISTINCT Dept FROM JOB WHERE JobTitle='Cook' OR JobTitle='Executive Chef' ORDER BY Dept						
R	esult: Dept					
1	В					
2	С					
3	E					

HW# 4-2 (10%): Find all the JobTitle in Dept A.

SE	SQLite commands: SELECT DISTINCT JobTitle FROM JOB WHERE Dept='A'					
R	esult:					
- 2	JobTitle					
1	Cashier					
2	Catering Sales-Order Taker					
3	Food Service Director					
4	Food Service Sales					
5	Waitstaff					

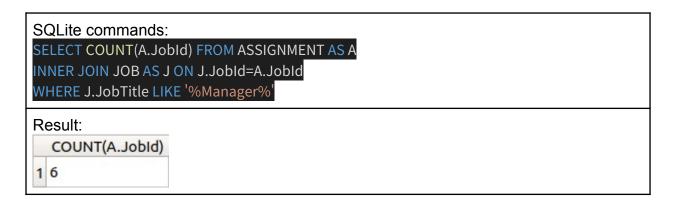
HW# 4-3 (10%): Count the assignments which started in 2011 or terminated in 2012.



**HW# 4-4** (10%): Find the names of the employees who live in Broadway and list the name in ascending order.

SQLite commands: SELECT Name FROM EMPLOYEE WHERE Address LIKE '%Broadway%' ORDER BY Name					
Result: Name 1 Daniel 2 Jacob					
3 Jayden					
4 Madison					
5 Sophia					

HW# 4-5 (10%): Count the assignments which JobTitles contain "Manager".



**HW# 4-6** (10%): Find the employees who have exactly 4 assignments and list their (Na me, Empld)s in a relation.



**HW# 4-7** (10%): Find the employees who have assignments started in 2011 and list their (Name, Empld)s in a relation.

#### SQLite commands:

SELECT DISTINCT E.Name, E.EmpId FROM EMPLOYEE AS E

INNER JOIN ASSIGNMENT AS A ON E.Empld=A.Empld

WHERE strftime('%Y', StartDate) = '2011'

ORDER BY E.Name

#### Result:

	Name	Empld	
1	Aiden	75T42	
2	Anthony	4J53	
3	Emma	91L11	
4	Ethan	8005	
5	Isabella	64J61	
6	Jayden	4K61	
7	Joshua	96Y36	
8	Michael	0E86	
9	Olivia	87T90	
10	Sophia	5B39	
11	William	49F16	

**HW# 4-8** (10%): Find the employees who didn't have assignments started in 2011 and li st their (Name, Empld)s in a relation.

#### SQLite commands: SELECT E.Name, E.Empld FROM EMPLOYEE AS E INNER JOIN ASSIGNMENT AS A ON E.EmpId=A.EmpId EXCEPT SELECT E.Name, E.EmpId FROM EMPLOYEE AS E INNER JOIN ASSIGNMENT AS A ON E.EmpId=A.EmpId WHERE strftime('%Y', StartDate) = '2011' ORDER BY E.Name Result: Name Empld 1 Abigail 66Z60 2 Alexander 53K29 3 Ava 36M11 4 Chloe 28Y11 5 Daniel 45R78 6 Emily 68G89 7 Jacob 4N22 8 Madison 93P96 9 Noah 8L72

HW# 4-9 (10%): Count jobs' popularity and list their (JobTitle, Count)s in relation.

## SQLite commands:

SELECT JobTitle, count(JobTitle) FROM JOB AS J JOIN ASSIGNMENT AS A ON J.JobId = A.JobId

**GROUP BY JobTitle** 

ORDER BY count(JobTitle) DESC

### Result:

	JobTitle	count(JobTitle)	
1	Dishwasher	7	
2	Cook	6	
3	Bakery Superintendent	5	
4	Executive Chef	5	
5	Food Service Director	5	
6	Cashier	4	
7	Food Service Sales	4	
8	Food Technologist	4	
9	Catering Sales-Order Taker	3	
10	Supervisor of Food Services	3	
11	Deli Manager	2	
12	High School Manager-Nutrition Services	2	
13	Purchasing Agent	2	
14	Waitstaff	2	
15	Banquet Hall Manager	1	
16	Caterer	1	
17	General Manager	1	
18	Registered Dietitian	1	

**HW# 4-10** (10%): Find which jobs are the top 3 most popular. List them as (JobTitle, Co unt)s in relation. If the job count order is 543332221, you should list the jobs whose count are not lower than 3.

