Lab12

Listen

Lab 7: Ch15 Database

1. Using python and SQLite, create a database called 'company'
2. In company database, create 4 tables named department, employee, project and works_on
3. Input the following data inside these 4 tables

dept_no	dept_name	location
d1	Research	Dallas
d2	Accounting	Seattle
d3	Marketing	Dallas

Table 1-1 *The Department Table*

emp_no	emp_fname	emp_lname	dept_no
25348	Matthew	Smith	d3
10102	Ann	Jones	d3
18316	John	Barrimore	d1
29346	James	James	d2
9031	Elke	Hansel	d2
2581	Elsa	Bertoni	d2
28559	Sybill	Moser	d1

Table 1-2 *The Employee Table*

project_no	project_name	budget
p1	Apollo	120000
p2	Gemini	95000
p3	Mercury	186500

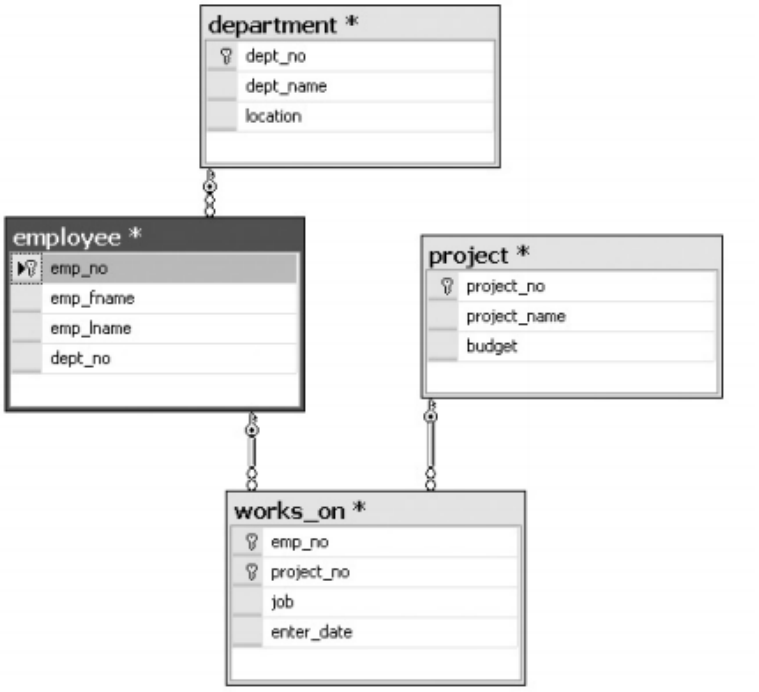
Table 1-3 *The Project Table*

emp_no	project_no	job	enter_date
10102	p1	Analyst	2006.10.1
10102	p3	Manager	2008.1.1
25348	p2	Clerk	2007.2.15
18316	p2	NULL	2007.6.1
29346	p2	NULL	2006.12.15

2581	p3	Analyst	2007.10.15
9031	p1	Manager	2007.4.15
28559	p1	NULL	2007.8.1
28559	p2	Clerk	2008.2.1
9031	p3	Clerk	2006.11.15
29346	p1	Clerk	2007.1.4

Table 1-4 *The works_on Table*

4. Using python, create referential integrity constraints as follows:



5. In table department, change the location of d3 from Dallas to Atlanta; In employee table, remove all info for Elsa Bertoni;

6. Using python,

a. print out all employees info in employee table;
b. print out all department info in department table;
c. print out all employee names with department names and locations who are doing project 'Gemeni'

7. **When you are submitting your Lab 12 Assignment to the assignment drop box, please remember to include the company.sqlite or company.db file in your submission.**

Hint: You may need to review the SQL statements from DB Management class about how to create

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Activity Details

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