

MySQL 作業執行結果

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作業 1

1.

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

2.

empno	ename	job	hiredate
7369	SMITH	CLERK	2010-12-17 00:00:00
7499	ALLEN	SALESMAN	2011-02-20 00:00:00
7521	WARD	SALESMAN	2011-02-22 00:00:00
7566	JONES	MANAGER	2011-04-02 00:00:00
7654	MARTIN	SALESMAN	2011-09-28 00:00:00
7698	BLAKE	MANAGER	2011-05-01 00:00:00
7782	CLARK	MANAGER	2011-06-09 00:00:00
7788	SCOTT	ANALYST	2012-12-09 00:00:00
7839	KING	PRESIDENT	2011-11-17 00:00:00
7844	TURNER	SALESMAN	2011-09-08 00:00:00
7876	ADAMS	CLERK	2013-01-12 00:00:00
7900	JAMES	CLERK	2011-12-03 00:00:00
7902	FORD	ANALYST	2011-12-03 00:00:00
7934	MILLER	CLERK	2012-01-23 00:00:00

3.

job
CLERK
SALESMAN
MANAGER
ANALYST
PRESIDENT

4.

Emp#	Employee	Job	Hire Date
7369	SMITH	CLERK	2010-12-17 00:00:00
7499	ALLEN	SALESMAN	2011-02-20 00:00:00
7521	WARD	SALESMAN	2011-02-22 00:00:00
7566	JONES	MANAGER	2011-04-02 00:00:00
7654	MARTIN	SALESMAN	2011-09-28 00:00:00
7698	BLAKE	MANAGER	2011-05-01 00:00:00
7782	CLARK	MANAGER	2011-06-09 00:00:00
7788	SCOTT	ANALYST	2012-12-09 00:00:00
7839	KING	PRESIDENT	2011-11-17 00:00:00
7844	TURNER	SALESMAN	2011-09-08 00:00:00
7876	ADAMS	CLERK	2013-01-12 00:00:00
7900	JAMES	CLERK	2011-12-03 00:00:00
7902	FORD	ANALYST	2011-12-03 00:00:00
7934	MILLER	CLERK	2012-01-23 00:00:00

5.

Employee and Title
SMITH, CLERK
ALLEN, SALESMAN
WARD, SALESMAN
JONES, MANAGER
MARTIN, SALESMAN
BLAKE, MANAGER
CLARK, MANAGER
SCOTT, ANALYST
KING, PRESIDENT
TURNER, SALESMAN
ADAMS, CLERK
JAMES, CLERK
FORD, ANALYST
MILLER, CLERK

作業 2

1.

ename	sal
JONES	2975.00
SCOTT	3000.00
KING	5000.00
FORD	3000.00

2.

ename	deptno
JONES	20

3.

ename	sal
SMITH	800.00
WARD	1250.00
JONES	2975.00
MARTIN	1250.00
SCOTT	3000.00
KING	5000.00
ADAMS	1100.00
JAMES	950.00
FORD	3000.00
MILLER	1300.00

4.

ename	job	hiredate
ALLEN	SALESMAN	2011-02-20 00:00:00
WARD	SALESMAN	2011-02-22 00:00:00
JONES	MANAGER	2011-04-02 00:00:00
BLAKE	MANAGER	2011-05-01 00:00:00

5.

ename	deptno
ALLEN	30
BLAKE	30
CLARK	10
JAMES	30
KING	10
MARTIN	30
MILLER	10
TURNER	30
WARD	30

6.

Employee	Monthly Salary
CLARK	2450.00
KING	5000.00
ALLEN	1600.00
BLAKE	2850.00

7.

ename	job	hiredate
SCOTT	ANALYST	2012-12-09 00:00:00
MILLER	CLERK	2012-01-23 00:00:00

8.

ename	job
KING	PRESIDENT

9.

ename	sal	comm
ALLEN	1600.00	300.00
MARTIN	1250.00	1400.00
WARD	1250.00	500.00

10

ename	job
BLAKE	MANAGER
CLARK	MANAGER
ADAMS	CLERK

11.

ename	mgr	deptno
ALLEN	7698	30
MILLER	7782	10

12.

ename	job	sal
SMITH	CLERK	800.00
ADAMS	CLERK	1100.00
JAMES	CLERK	950.00
MILLER	CLERK	1300.00

13.

ename	sal	comm
MARTIN	1250.00	1400.00

作業 3

1.

系統日期
2021-01-15

2.

empno	ename	sal	New Salary
7369	SMITH	800.00	920
7499	ALLEN	1600.00	1840
7521	WARD	1250.00	1438
7566	JONES	2975.00	3421
7654	MARTIN	1250.00	1438
7698	BLAKE	2850.00	3278
7782	CLARK	2450.00	2818
7788	SCOTT	3000.00	3450
7839	KING	5000.00	5750
7844	TURNER	1500.00	1725
7876	ADAMS	1100.00	1265
7900	JAMES	950.00	1093
7902	FORD	3000.00	3450
7934	MILLER	1300.00	1495

3.

empno	ename	sal	New Salary	Increase
7369	SMITH	800.00	920	120
7499	ALLEN	1600.00	1840	240
7521	WARD	1250.00	1438	188
7566	JONES	2975.00	3421	446
7654	MARTIN	1250.00	1438	188
7698	BLAKE	2850.00	3278	428
7782	CLARK	2450.00	2818	368
7788	SCOTT	3000.00	3450	450
7839	KING	5000.00	5750	750
7844	TURNER	1500.00	1725	225
7876	ADAMS	1100.00	1265	165
7900	JAMES	950.00	1093	143
7902	FORD	3000.00	3450	450
7934	MILLER	1300.00	1495	195

4.

ename	hiredate	REVIEW
SMITH	2010-12-17 00:00:00	Monday ,the 20th of June
ALLEN	2011-02-20 00:00:00	Monday ,the 22nd of August
WARD	2011-02-22 00:00:00	Monday ,the 22nd of August
JONES	2011-04-02 00:00:00	Monday ,the 3rd of October
MARTIN	2011-09-28 00:00:00	Monday ,the 2nd of April
BLAKE	2011-05-01 00:00:00	Monday ,the 7th of November
CLARK	2011-06-09 00:00:00	Monday ,the 12th of December
SCOTT	2012-12-09 00:00:00	Monday ,the 10th of June
KING	2011-11-17 00:00:00	Monday ,the 21st of May
TURNER	2011-09-08 00:00:00	Monday ,the 12th of March
ADAMS	2013-01-12 00:00:00	Monday ,the 15th of July
JAMES	2011-12-03 00:00:00	Monday ,the 4th of June
FORD	2011-12-03 00:00:00	Monday ,the 4th of June
MILLER	2012-01-23 00:00:00	Monday ,the 23rd of July

5.

ename	MONTHS_WORKED
SMITH	146
ALLEN	144
WARD	144
JONES	142
MARTIN	137
BLAKE	141
CLARK	140
SCOTT	122
KING	135
TURNER	137
ADAMS	121
JAMES	134
FORD	134
MILLER	133

6

Dream Salaries
SMITH earns 800.00 monthly but wants 2400.00
ALLEN earns 1600.00 monthly but wants 4800.00
WARD earns 1250.00 monthly but wants 3750.00
JONES earns 2975.00 monthly but wants 8925.00
MARTIN earns 1250.00 monthly but wants 375...
BLAKE earns 2850.00 monthly but wants 8550.00
CLARK earns 2450.00 monthly but wants 7350.00
SCOTT earns 3000.00 monthly but wants 9000.00
KING earns 5000.00 monthly but wants 15000.00
TURNER earns 1500.00 monthly but wants 450...
ADAMS earns 1100.00 monthly but wants 3300...
JAMES earns 950.00 monthly but wants 2850.00
FORD earns 3000.00 monthly but wants 9000.00
MILLER earns 1300.00 monthly but wants 3900...

7.

ename	Salary
SMITH	\$\$\$\$\$\$\$\$800.00
ALLEN	\$\$\$\$\$\$\$\$1600.00
WARD	\$\$\$\$\$\$\$\$1250.00
JONES	\$\$\$\$\$\$\$\$2975.00
MARTIN	\$\$\$\$\$\$\$\$1250.00
BLAKE	\$\$\$\$\$\$\$\$2850.00
CLARK	\$\$\$\$\$\$\$\$2450.00
SCOTT	\$\$\$\$\$\$\$\$3000.00
KING	\$\$\$\$\$\$\$\$5000.00
TURNER	\$\$\$\$\$\$\$\$1500.00
ADAMS	\$\$\$\$\$\$\$\$1100.00
JAMES	\$\$\$\$\$\$\$\$950.00
FORD	\$\$\$\$\$\$\$\$3000.00
MILLER	\$\$\$\$\$\$\$\$1300.00

8.

ename	hiredate	Day
MILLER	2012-01-23 00:00:00	1
WARD	2011-02-22 00:00:00	2
MARTIN	2011-09-28 00:00:00	3
CLARK	2011-06-09 00:00:00	4
KING	2011-11-17 00:00:00	4
TURNER	2011-09-08 00:00:00	4
SMITH	2010-12-17 00:00:00	5
JONES	2011-04-02 00:00:00	6
ADAMS	2013-01-12 00:00:00	6
JAMES	2011-12-03 00:00:00	6
FORD	2011-12-03 00:00:00	6
ALLEN	2011-02-20 00:00:00	7
BLAKE	2011-05-01 00:00:00	7
SCOTT	2012-12-09 00:00:00	7

9.

ename	Comm
SMITH	No Commission.
ALLEN	300.00
WARD	500.00
JONES	No Commission.
MARTIN	1400.00
BLAKE	No Commission.
CLARK	No Commission.
SCOTT	No Commission.
KING	No Commission.
TURNER	0.00
ADAMS	No Commission.
JAMES	No Commission.
FORD	No Commission.
MILLER	No Commission.

10

EMPLOYEE_AND_THEIR_SALARIES
KING *****
SCOTT *****
FORD *****
JONES *****
BLAKE *****
CLARK *****
ALLEN *****
TURNER *****
MILLER *****
WARD *****
MARTIN *****
ADAMS *****
JAMES *****
SMITH *****

作業 4

1.

Maximum	Minimum	SUM	Average
5000	800	29025	2073

2.

job	MAX(sal)	MIN(sal)	SUM(sal)	AVG(sal)
CLERK	1300.00	800.00	4150.00	1037.500000
SALESMAN	1600.00	1250.00	5600.00	1400.000000
MANAGER	2975.00	2450.00	8275.00	2758.333333
ANALYST	3000.00	3000.00	6000.00	3000.000000
PRESIDENT	5000.00	5000.00	5000.00	5000.000000

3.

job	COUNT(*)
CLERK	4
SALESMAN	4
MANAGER	3
ANALYST	2
PRESIDENT	1

4.

Number of Managers
6

5.

DIFFERENCE
4200.00

6.

mgr	MIN(sal)
7566	3000.00
7839	2450.00
7782	1300.00
7788	1100.00

7.

HYear	Number of People
2010	1
2011	10
2012	2
2013	1

作業 5

1.

ename	deptno	dname	loc
CLARK	10	ACCOUNTING	NEW YORK
KING	10	ACCOUNTING	NEW YORK
MILLER	10	ACCOUNTING	NEW YORK
SMITH	20	RESEARCH	DALLAS
JONES	20	RESEARCH	DALLAS
SCOTT	20	RESEARCH	DALLAS
ADAMS	20	RESEARCH	DALLAS
FORD	20	RESEARCH	DALLAS
ALLEN	30	SALES	CHICAGO
WARD	30	SALES	CHICAGO
MARTIN	30	SALES	CHICAGO
BLAKE	30	SALES	CHICAGO
TURNER	30	SALES	CHICAGO
JAMES	30	SALES	CHICAGO

2.

ename	comm	dname	loc
ALLEN	300.00	SALES	CHICAGO
WARD	500.00	SALES	CHICAGO
MARTIN	1400.00	SALES	CHICAGO

3.

ename	dname
ALLEN	SALES
WARD	SALES
MARTIN	SALES
BLAKE	SALES
CLARK	ACCOUNTING
ADAMS	RESEARCH
JAMES	SALES

4.

ename	job	deptno	dname
SMITH	CLERK	20	RESEARCH
JONES	MANAGER	20	RESEARCH
SCOTT	ANALYST	20	RESEARCH
ADAMS	CLERK	20	RESEARCH
FORD	ANALYST	20	RESEARCH

5.

Employee	Emp#	Manager	Mgr #
SMITH	7369	FORD	7902
ALLEN	7499	BLAKE	7698
WARD	7521	BLAKE	7698
JONES	7566	KING	7839
MARTIN	7654	BLAKE	7698
BLAKE	7698	KING	7839
CLARK	7782	KING	7839
SCOTT	7788	JONES	7566
TURNER	7844	BLAKE	7698
ADAMS	7876	SCOTT	7788
JAMES	7900	BLAKE	7698
FORD	7902	JONES	7566
MILLER	7934	CLARK	7782

6.

ename	job	dname	sal	grade
SMITH	CLERK	RESEARCH	800.00	1
ALLEN	SALESMAN	SALES	1600.00	3
WARD	SALESMAN	SALES	1250.00	2
JONES	MANAGER	RESEARCH	2975.00	4
MARTIN	SALESMAN	SALES	1250.00	2
BLAKE	MANAGER	SALES	2850.00	4
CLARK	MANAGER	ACCOUNTING	2450.00	4
SCOTT	ANALYST	RESEARCH	3000.00	4
KING	PRESIDENT	ACCOUNTING	5000.00	5
TURNER	SALESMAN	SALES	1500.00	3
ADAMS	CLERK	RESEARCH	1100.00	1
JAMES	CLERK	SALES	950.00	1
FORD	ANALYST	RESEARCH	3000.00	4
MILLER	CLERK	ACCOUNTING	1300.00	2

7.

Employee	Emp Hiredate	Manager	Mgr Hiredate
SMITH	2010-12-17 00:00:00	FORD	2011-12-03 00:00:00
ALLEN	2011-02-20 00:00:00	BLAKE	2011-05-01 00:00:00
WARD	2011-02-22 00:00:00	BLAKE	2011-05-01 00:00:00
JONES	2011-04-02 00:00:00	KING	2011-11-17 00:00:00
BLAKE	2011-05-01 00:00:00	KING	2011-11-17 00:00:00
CLARK	2011-06-09 00:00:00	KING	2011-11-17 00:00:00

8.

dname	loc	Number of People	Salary
RESEARCH	DALLAS	5	2175.00
SALES	CHICAGO	6	1566.67
ACCOUNTING	NEW YORK	3	2916.67

9.

deptno	dname	EMP #
10	ACCOUNTING	3
20	RESEARCH	5
30	SALES	6
40	OPERATIONS	0

作業 6

1.

ename	hiredate
ALLEN	2011-02-20 00:00:00
WARD	2011-02-22 00:00:00
MARTIN	2011-09-28 00:00:00
BLAKE	2011-05-01 00:00:00
TURNER	2011-09-08 00:00:00
JAMES	2011-12-03 00:00:00

2.

ename	hiredate
MARTIN	2011-09-28 00:00:00
CLARK	2011-06-09 00:00:00
SCOTT	2012-12-09 00:00:00
KING	2011-11-17 00:00:00
TURNER	2011-09-08 00:00:00
ADAMS	2013-01-12 00:00:00
JAMES	2011-12-03 00:00:00
FORD	2011-12-03 00:00:00
MILLER	2012-01-23 00:00:00

3.

empno	ename	sal
7839	KING	5000.00
7788	SCOTT	3000.00
7902	FORD	3000.00
7566	JONES	2975.00
7698	BLAKE	2850.00
7782	CLARK	2450.00

4.

empno	ename
7369	SMITH
7566	JONES
7788	SCOTT
7876	ADAMS
7902	FORD
7499	ALLEN
7521	WARD
7654	MARTIN
7698	BLAKE
7844	TURNER
7900	JAMES

5.

ename	deptno	job
SMITH	20	CLERK
JONES	20	MANAGER
SCOTT	20	ANALYST
ADAMS	20	CLERK
FORD	20	ANALYST

6.

ename	sal
JONES	2975.00
BLAKE	2850.00
CLARK	2450.00

7.

deptno	ename	job
30	ALLEN	SALESMAN
30	WARD	SALESMAN
30	MARTIN	SALESMAN
30	BLAKE	MANAGER
30	TURNER	SALESMAN
30	JAMES	CLERK

8.

empno	ename	sal
7566	JONES	2975.00
7698	BLAKE	2850.00
7788	SCOTT	3000.00
7902	FORD	3000.00

9.

ename	deptno	sal
MARTIN	30	1250.00
WARD	30	1250.00

10.

ename	deptno	sal
SCOTT	20	3000.00
FORD	20	3000.00

11.

ename	hiredate	sal
FORD	2011-12-03 00:00:00	3000.00

ename	hiredate	sal
KING	2011-11-17 00:00:00	5000.00
SCOTT	2012-12-09 00:00:00	3000.00
FORD	2011-12-03 00:00:00	3000.00
JONES	2011-04-02 00:00:00	2975.00
BLAKE	2011-05-01 00:00:00	2850.00
CLARK	2011-06-09 00:00:00	2450.00
ALLEN	2011-02-20 00:00:00	1600.00
TURNER	2011-09-08 00:00:00	1500.00

作業 7

1. 執行完成後以 `SELECT * FROM MY_EMP` 應有下列結果

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	795.00

2. 執行完成後以 `SELECT * FROM MY_EMP` 應有下列結果

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	795.00
2	Dances	Betty	bdances	860.00

3. 執行完成後以 `SELECT * FROM MY_EMP` 應有下列結果

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	795.00
2	Dances	Betty	bdances	860.00
3	Biri	Ben	bbiri	1100.00
4	Newman	Chad	cnewmam	750.00

4. 執行完成後以 `SELECT * FROM MY_EMP` 應有下列結果

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	795.00
2	Dances	Betty	bdances	860.00
3	Drexler	Ben	bbiri	1100.00
4	Newman	Chad	cnewmam	750.00

5. 執行完成後以 `SELECT * FROM MY_EMP` 應有下列結果

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	1000.00
2	Dances	Betty	bdances	1000.00
3	Drexler	Ben	bbiri	1100.00
4	Newman	Chad	cnewmam	1000.00

6. 執行完成後以 `SELECT * FROM MY_EMP` 應有下列結果

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	1000.00
3	Drexler	Ben	bbiri	1100.00
4	Newman	Chad	cnewmam	1000.00

7. 請按題目撰寫並執行，以 `SELECT * FROM MY_EMP` 應有下列結果

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	1100.00
3	Drexler	Ben	bbiri	1210.00
4	Newman	Chad	cnewmam	1100.00

作業 8

1. 執行完後查看資料表結構 DESC DEPARTMENT

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
name	varchar(24)	NO		NULL	

2. 執行完成後以 SELECT * FROM DEPARTMENT 應有下列結果

id	name
10	ACCOUNTING
20	RESEARCH
30	SALES
40	OPERATIONS

3. 執行完後查看資料表結構 DESC EMPLOYEE

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
last_name	varchar(24)	NO		NULL	
frist_name	varchar(24)	YES		NULL	
deptno	int	YES		NULL	

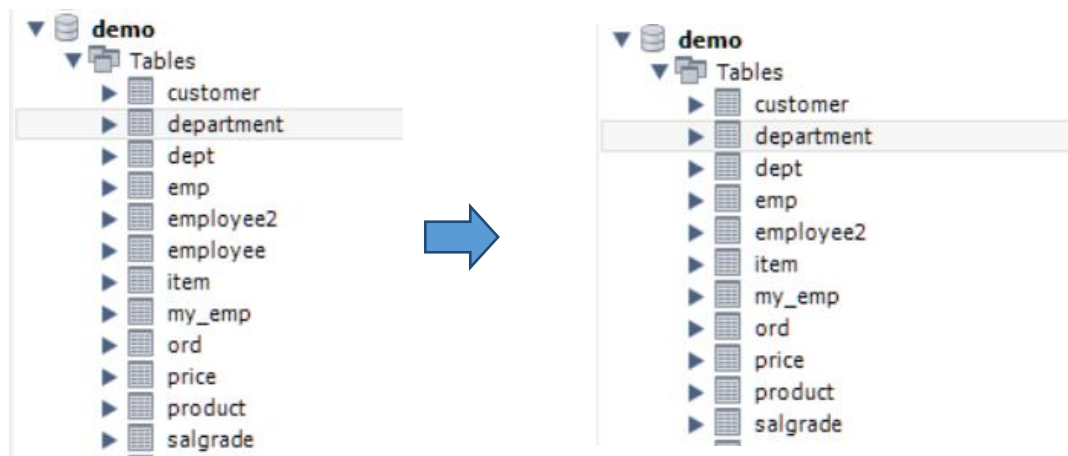
4. 執行完後查看資料表結構 DESC EMPLOYEE

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
last_name	varchar(40)	YES		NULL	
frist_name	varchar(24)	YES		NULL	
deptno	int	YES		NULL	

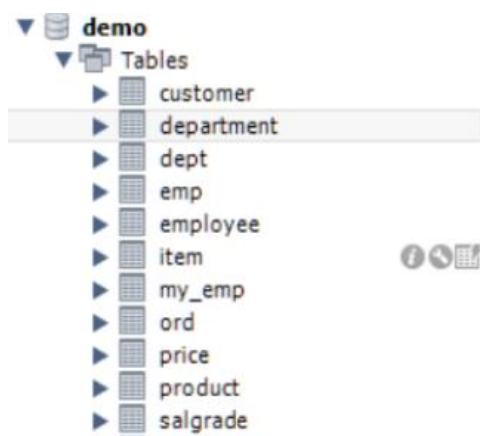
5. 執行完後查看資料表結構 DESC EMPLOYEE2

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
last_name	varchar(10)	YES		NULL	
dept_id	int	NO		NULL	

6. 執行完後確認資料表已不存在



7. 執行完後確認資料表已更名



8. 執行完後查看資料表結構 DESC EMPLOYEE

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
dept_id	int	NO		NULL	

9. 執行完後查看資料表結構

	Field	Type	Null	Key	Default	Extra
▶	id	int	NO		NULL	
	dept_id	int	NO		NULL	
	salary	int	YES		NULL	

10. 執行完後查看索引鍵 SHOW INDEXES FROM employee

Table	Non_unique	Key_name	Seq_in_index	Column_name
employee	0	PRIMARY	1	id

11. 執行完後查看索引鍵 SHOW INDEXES FROM employee

Table	Non_unique	Key_name	Seq_in_index	Column_name
employee	0	PRIMARY	1	id
employee	1	fk_employee_deptid	1	dept_id

作業 9

1. 執行完後查看是否建立成功 DESC emp_vu

Field	Type	Null	Key	Default	Extra
empno	int	NO		NULL	
employee	varchar(10)	YES		NULL	
deptno	int	NO		NULL	

2.

empno	employee	deptno
7369	SMITH	20
7499	ALLEN	30
7521	WARD	30
7566	JONES	20
7654	MARTIN	30
7698	BLAKE	30
7782	CLARK	10
7788	SCOTT	20
7839	KING	10
7844	TURNER	30
7876	ADAMS	20
7900	JAMES	30
7902	FORD	20
7934	MILLER	10

3.

employee	deptno
SMITH	20
ALLEN	30
WARD	30
JONES	20
MARTIN	30
BLAKE	30
CLARK	10
SCOTT	20
KING	10
TURNER	30
ADAMS	20
JAMES	30
FORD	20
MILLER	10

4. 執行完後查看是否建立成功 DESC dept20

Field	Type	Null	Key	Default	Extra
employee_id	int	NO		NULL	
employee	varchar(10)	YES		NULL	
department_no	int	NO		NULL	

5. 檢查結構 DESC dept20

Field	Type	Null	Key	Default	Extra
employee_id	int	NO		NULL	
employee	varchar(10)	YES		NULL	
department_no	int	NO		NULL	

employee_id	employee	department_no
7369	SMITH	20
7566	JONES	20
7788	SCOTT	20
7876	ADAMS	20
7902	FORD	20

6. 應出現下列錯誤訊息

Error Code: 1369. CHECK OPTION failed 'demo.dept20'

7. 執行完後查看是否建立成功 SELECT * FROM salary_vu

Employee	Department	Salary	Grade
SMITH	RESEARCH	800.00	1
ALLEN	SALES	1600.00	3
WARD	SALES	1250.00	2
JONES	RESEARCH	2975.00	4
MARTIN	SALES	1250.00	2
BLAKE	SALES	2850.00	4
CLARK	ACCOUNTING	2450.00	4
SCOTT	RESEARCH	3000.00	4
KING	ACCOUNTING	5000.00	5
TURNER	SALES	1500.00	3
ADAMS	RESEARCH	1100.00	1
JAMES	SALES	950.00	1
FORD	RESEARCH	3000.00	4
MILLER	ACCOUNTING	1300.00	2

8. 執行完後查看是否建立成功: SHOW INDEXES FROM emp;

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality
emp	0	PRIMARY	1	EMPNO	A	14
emp	1	EMP_DEPTNO_FK	1	DEPTNO	A	3
emp	1	EMP_MGR_FK	1	MGR	A	7
emp	1	idx_emp_ename	1	ENAME	A	14