

assignment 3

```
mysql> insert into department values(10,"administration",200,1700),
-> (20,"marketing",201,1800),(30,"purchasing",114,1700);
mysql> insert into department values(20,"Hr",203,2400),(50,"shipping",121,15
00),(60,"IT",103,1400),(70,"public relation",204,2700),(80,"sales",145,2500)
;
Query OK, 5 rows affected (0.02 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql> select * from department;
```

department_id	department_name	manager_id	location_id
10	administration	200	1700
20	marketing	201	1800
20	Hr	203	2400
30	purchasing	114	1700
50	shipping	121	1500
60	IT	103	1400
70	public relation	204	2700
80	sales	145	2500

```
mysql> select * from emp;
```

emp_id	first_name	last_name	email	phone_no	hire_date	job_id
salary	commission	manager_id	department_id			
100	steven	king	sking	5121234567	1987-06-17	ad-press
24000.00	0.00	200	10			
101	neena	kochhar	nkochhar	5151234568	1987-06-18	ad-vp
17000.00	0.00	200	10			
102	lex	de haan	ldehaan	5151234569	1987-06-19	ad-vp
17000.00	0.00	200	10			
103	alexander	hunold	ahunold	5904234567	1987-06-20	it_prog
9000.00	0.00	103	60			
104	bruce	ernst	bernst	5904234568	1987-06-21	it_prog
6000.00	0.00	103	60			
105	david	austin	daustin	5904234569	1987-06-22	it_prog
4800.00	0.00	103	60			
106	valli	patavalla	vpatabal	5904234560	1987-06-23	it_prog
4200.00	0.00	114	30			
107	diana	lorentz	dlorentz	5904234560	1987-06-24	it_prog
4200.00	0.00	114	30			
108	nancy	greenberg	ngreenbe	5151244569	1987-06-25	sa_man
12000.00	0.00	145	80			
109	daniel	faviet	dfaviet	5151244169	1987-06-26	sa_man
9000.00	0.00	145	80			

2. Write a SQL statement to insert 3 rows by a single insert statement.

```
mysql> insert into department values(10,"administration",200,1700),
-> (20,"marketing",201,1800),(30,"purchasing",114,1700);
```

3. Write a SQL statement to insert one row in jobs table to ensure that no duplicate

value will be entered in the job_id column

```
mysql> select * from job;
```

```

+-----+-----+-----+-----+
| job_id | job_title | min_salary | max_salary |
+-----+-----+-----+-----+
| ac_account | public_accountant | 4200.00 | 9000.00 |
| ac_mgr | accounting manager | 8200.00 | 16000.00 |
| ad-asst | administration assistant | 3000.00 | 6000.00 |
| ad-press | president | 20000.00 | 40000.00 |
| ad-vp | administration vice president | 15000.00 | 30000.00 |
| fi_account | accountant | 4200.00 | 9000.00 |
| fi_mgr | finance manager | 8200.00 | 16000.00 |
| sa_man | sales manager | 10000.00 | 20000.00 |
+-----+-----+-----+-----+
8 rows in set (0.00 sec)

```

```

mysql> insert into job values("ac_account","public_accountant",4200,9000);
ERROR 1062 (23000): Duplicate entry 'ac_account' for key 'job.PRIMARY'

```

4. Write SQL statement to increment salary of each emp by 10%.

```

mysql> update emp set salary=salary+salary*0.1;
Query OK, 10 rows affected (0.02 sec)
Rows matched: 10 Changed: 10 Warnings: 0

```

```

mysql> select * from emp;

```

```

+-----+-----+-----+-----+-----+-----+-----+
| emp_id | first_name | last_name | email | phone_no | hire_date | job_id |
| salary | commission | manager_id | department_id |
+-----+-----+-----+-----+-----+-----+-----+
| 100 | steven | king | sking | 5121234567 | 1987-06-17 | ad-press |
| 26400.00 | 0.00 | 200 | 10 |
| 101 | neena | kochhar | nkochhar | 5151234568 | 1987-06-18 | ad-vp |
| 18700.00 | 0.00 | 200 | 10 |
| 102 | lex | de haan | ldehaan | 5151234569 | 1987-06-19 | ad-vp |
| 18700.00 | 0.00 | 200 | 10 |
| 103 | alexander | hunold | ahunold | 5904234567 | 1987-06-20 | it_prog |
| 9900.00 | 0.00 | 103 | 60 |
| 104 | bruce | ernst | bernst | 5904234568 | 1987-06-21 | it_prog |
| 6600.00 | 0.00 | 103 | 60 |
| 105 | david | austin | daustin | 5904234569 | 1987-06-22 | it_prog |
| 5280.00 | 0.00 | 103 | 60 |
| 106 | valli | patavalla | vpatabal | 5904234560 | 1987-06-23 | it_prog |
| 4620.00 | 0.00 | 114 | 30 |
| 107 | diana | lorentz | dlorentz | 5904234560 | 1987-06-24 | it_prog |
| 4620.00 | 0.00 | 114 | 30 |
| 108 | nancy | greenberg | ngreenbe | 5151244569 | 1987-06-25 | sa_man |
| 13200.00 | 0.00 | 145 | 80 |
| 109 | daniel | faviet | dfaviet | 5151244169 | 1987-06-26 | sa_man |
| 9900.00 | 0.00 | 145 | 80 |
+-----+-----+-----+-----+-----+-----+-----+

```

5. Write a SQL statement to change the email column of employees table with 'not available' for those employees whose department_id is 80 and gets a commission is less than .20%

```

mysql> update emp set email="not available" where department_id=80 and commission <0.2;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 2 Changed: 0 Warnings: 0

```

```

mysql> select * from emp;

```

```

+-----+-----+-----+-----+-----+-----+-----+
| emp_id | first_name | last_name | email | phone_no | hire_date | job_id |
| salary | commission | manager_id | department_id |
+-----+-----+-----+-----+-----+-----+-----+

```

emp_id	first_name	last_name	email	phone_no	hire_date
job_id	salary	commission	manager_id	department_id	
+-----+-----+-----+-----+-----+-----+					
+-----+-----+-----+-----+-----+-----+					
100	steven	king	not available	5121234567	1987-06-17
ad-press	26400.00	0.10	200	10	
101	neena	kochhar	not available	5151234568	1987-06-18
ad-vp	18700.00	0.10	200	10	
102	lex	de haan	not available	5151234569	1987-06-19
ad-vp	18700.00	0.10	200	10	
103	alexander	hunold	not available	5904234567	1987-06-20
it_prog	9900.00	0.10	103	60	
104	bruce	ernst	not available	5904234568	1987-06-21
it_prog	6600.00	0.10	103	60	
105	david	austin	not available	5904234569	1987-06-22
it_prog	5280.00	0.10	103	60	
106	valli	patavalla	not available	5904234560	1987-06-23
it_prog	4620.00	0.10	114	30	
107	diana	lorentz	not available	5904234560	1987-06-24
it_prog	4620.00	0.10	114	30	
108	nancy	greenberg	not available	5151244569	1987-06-25
sa_man	13200.00	0.10	145	80	
109	daniel	faviet	not available	5151244169	1987-06-26
sa_man	9900.00	0.10	145	80	
+-----+-----+-----+-----+-----+-----+					
+-----+-----+-----+-----+-----+-----+					

6. Write a SQL statement to change the email column of employees table with 'not

available' for those employees who belongs to the 'Purchasing' department.

mysql> update emp set email="not_available" where department_id=30;

Query OK, 2 rows affected (0.00 sec)

Rows matched: 2 Changed: 2 Warnings: 0

mysql> select * from emp;

emp_id	first_name	last_name	email	phone_no	hire_date
job_id	salary	commission	manager_id	department_id	
+-----+-----+-----+-----+-----+-----+					
+-----+-----+-----+-----+-----+-----+					
100	steven	king	sking	5121234567	1987-06-17
ad-press	26400.00	0.00	200	10	
101	neena	kochhar	nkochhar	5151234568	1987-06-18
ad-vp	18700.00	0.00	200	10	
102	lex	de haan	ldehaan	5151234569	1987-06-19
ad-vp	18700.00	0.00	200	10	
103	alexander	hunold	ahunold	5904234567	1987-06-20
it_prog	9900.00	0.00	103	60	
104	bruce	ernst	bernst	5904234568	1987-06-21
it_prog	6600.00	0.00	103	60	
105	david	austin	daustin	5904234569	1987-06-22
it_prog	5280.00	0.00	103	60	
106	valli	patavalla	not_available	5904234560	1987-06-23
it_prog	4620.00	0.00	114	30	
107	diana	lorentz	not_available	5904234560	1987-06-24
it_prog	4620.00	0.00	114	30	
108	nancy	greenberg	ngreenbe	5151244569	1987-06-25
sa_man	13200.00	0.00	145	80	
109	daniel	faviet	dfaviet	5151244169	1987-06-26
sa_man	9900.00	0.00	145	80	
+-----+-----+-----+-----+-----+-----+					
+-----+-----+-----+-----+-----+-----+					

7. Write a SQL statement to change the email and commission_pct column of

employees table with 'not available' and 0.10 for all employees

```
mysql> update emp set email="not available";
```

```
Query OK, 10 rows affected (0.02 sec)
```

```
Rows matched: 10  Changed: 10  Warnings: 0
```

```
mysql> update emp set commission=0.1;
```

```
Query OK, 10 rows affected (0.00 sec)
```

```
Rows matched: 10  Changed: 10  Warnings: 0
```

```
mysql> select * from emp;
```

emp_id	first_name	last_name	email	phone_no	hire_date	job_id	salary	commission	manager_id	department_id
100	steven	king	not available	5121234567	1987-06-17	ad-press	26400.00	0.10	200	10
101	neena	kochhar	not available	5151234568	1987-06-18	ad-vp	18700.00	0.10	200	10
102	lex	de haan	not available	5151234569	1987-06-19	ad-vp	18700.00	0.10	200	10
103	alexander	hunold	not available	5904234567	1987-06-20	it_prog	9900.00	0.10	103	60
104	bruce	ernst	not available	5904234568	1987-06-21	it_prog	6600.00	0.10	103	60
105	david	austin	not available	5904234569	1987-06-22	it_prog	5280.00	0.10	103	60
106	valli	patavalla	not available	5904234560	1987-06-23	it_prog	4620.00	0.10	114	30
107	diana	lorentz	not available	5904234560	1987-06-24	it_prog	4620.00	0.10	114	30
108	nancy	greenberg	not available	5151244569	1987-06-25	sa_man	13200.00	0.10	145	80
109	daniel	faviet	not available	5151244169	1987-06-26	sa_man	9900.00	0.10	145	80