MySQL Assignment -2 (DML)

1. Write a SQL statement to insert a record as follows: Employees :

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+-------------+-------------+-------------+----------+------------------+----------+-----------+----------+---------------+-----------+-----
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| EMPLOYEE_ID | FIRST_NAME  | LAST_NAME   | EMAIL    | PHONE_NUMBER     |
HIRE_DATE | JOB_ID    | SALARY   | COMMISSION_PCT | MANAGER_ID |
DEPARTMENT_ID |
+-------------+-------------+-------------+----------+------------------+----------+-----------+----------+---------------+-----------+-----
---------+
|     100 | Steven    | King      | SKING    | 515.123.4567     |
1987-06-17 | AD_PRES   | 24000.00 |        0.00 |       200 |
                   10 |
|     101 | Neena     | Kochhar   | NKOCHHAR | 515.123.4568     |
1987-06-18 | AD_VP     | 17000.00 |       0.00 |      200 |        10 |
|     102 | Lex       | De Haan   | LDEHAAN  | 515.123.4569     |
1987-06-19 | AD_VP     | 17000.00 |       0.00 |      200 |        10 |
|     103 | Alexander | Hunold    | AHUNOLD  | 590.423.4567     |
1987-06-20 | IT_PROG   | 9000.00  |       0.00 |      103 |        60 |
|     104 | Bruce     | Ernst     | BERNST   | 590.423.4568     |
1987-06-21 | IT_PROG   | 6000.00  |       0.00 |      103 |        60 |
|     105 | David     | Austin    | DAUSTIN  | 590.423.4569     |
1987-06-22 | IT_PROG   | 4800.00  |       0.00 |      103 |        60 |
|     106 | Valli     | Pataballa | VPATABAL | 590.423.4560     |
1987-06-23 | IT_PROG   | 4800.00  |       0.00 |      103 |        60 |
|     107 | Diana     | Lorentz   | DLORENTZ | 590.423.5567     |
1987-06-24 | IT_PROG   | 4200.00  |       0.00 |      114 |        30 |
|     108 | Nancy     | Greenberg | NGREENBE | 515.124.4569     |
1987-06-25 | SA_MAN    | 12000.00 |       0.00 |      145 |        80 |
|     109 | Daniel    | Faviet    | DFAVIET  | 515.124.4169     |
1987-06-26 | SA_MAN | 9000.00 |        0.00 |       145 | 80 |
```

mysql> insert into employees
    -> (employee_id, first_name, last_name, email, phone_number, hire_date,
    -> job_id, salary, commission_pct, manager_id, department_id)
    -> values
    -> (100,'steven','king','sking','515.123.4567','1987-06-17','ad_pres',24000.00,0.00,200,10),

-> (101,'neena','kochhar','nkochhar','515.123.4568','1987-06-18','ad_vp',17000.00,0.00,200,10),

-> (102,'lex','de haan','ldehaan','515.123.4569','1987-06-19','ad_vp',17000.00,0.00,200,10),

-> (103,'alexander','hunold','ahunold','590.423.4567','1987-06-20','it_prog',9000.00,0.00,103,60),

-> (104,'bruce','ernst','bernst','590.423.4568','1987-06-21','it_prog',6000.00,0.00,103,60),

-> (105,'david','austin','daustin','590.423.4569','1987-06-22','it_prog',4800.00,0.00,103,60),

-> (106,'valli','pataballa','vpatabal','590.423.4560','1987-06-23','it_prog',4800.00,0.00,103,60),

-> (107,'diana','lorentz','dlorentz','590.423.5567','1987-06-24','it_prog',4200.00,0.00,114,30),

-> (108,'nancy','greenberg','ngreenbe','515.124.4569','1987-06-25','sa_man',12000.00,0.00,145,80),

-> (109,'daniel','faviet','dfaviet','515.124.4169','1987-06-26','sa_man',9000.00,0.00,145,80);

Department :

```
+---------------+----------------------+------------+-------------+
| DEPARTMENT_ID | DEPARTMENT_NAME      | MANAGER_ID | LOCATION_ID |
+---------------+----------------------+------------+-------------+
|            10 | Administration       |        200 |        1700 |
|            20 | Marketing            |        201 |        1800 |
|            30 | Purchasing           |        114 |        1700 |
|            40 | Human Resources      |        203 |        2400 |
|            50 | Shipping             |        121 |        1500 |
|            60 | IT                   |        103 |        1400 |
|            70 | Public Relations     |        204 |        2700 |
|            80 | Sales                |        145 |        2500 |
```

mysql> insert into department

   -> values

   -> (10,'administration',200,1700),

   -> (20,'marketing',201,1800),

   -> (30,'purchasing',114,1700),

   -> (40,'human resources',203,2400),

   -> (50,'shipping',121,1500),

   -> (60,'it',103,1400),

   -> (70,'public relations',204,2700),

   -> (80,'sales',145,2500);

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

mysql> insert into employees values (110, 'John', 'Smith', 'JSMITH', '515.124.4269', '1987-06-27',

    -> 'SA_REP', 8000.00, 0.00, 145, 80),

    ->

    -> (111, 'Sara', 'Taylor', 'STAYLOR', '515.124.4369', '1987-06-28',

    -> 'IT_PROG', 7000.00, 0.00, 103, 60),

    ->

    -> (112, 'Mike', 'Brown', 'MBROWN', '515.124.4469', '1987-06-29',

    -> 'PU_CLERK', 3000.00, 0.00, 114, 30);

Query OK, 3 rows affected (0.05 sec)

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.

```
+------------+------------------------------+------------+------------+
| JOB_ID     | JOB_TITLE                    | MIN_SALARY | MAX_SALARY |
+------------+------------------------------+------------+------------+
| AD_PRES    | President                    |      20000 |      40000 |
| AD_VP      | Administration Vice President |     15000 |      30000 |
| AD_ASST    | Administration Assistant     |       3000 |       6000 |
| FI_MGR     | Finance Manager              |       8200 |      16000 |
| FI_ACCOUNT | Accountant                   |       4200 |       9000 |
| AC_MGR     | Accounting Manager           |       8200 |      16000 |
| AC_ACCOUNT | Public Accountant            |       4200 |       9000 |
| SA_MAN     | Sales Manager                |      10000 |      20000 |
```

mysql> alter table jobs
  -> add primary key (job_id);

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

mysql> update employees
  -> set salary = salary +(salary*0.1);

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 employees

      -> set email = "not available"

      -> where department_id = 80

      -> and

-> commission_pct <0.20;

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 employees

   -> set email = 'Not available'

   -> where department_id = (select department_id from department where department_name = 'purchasing');

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 employees

   -> set email = 'Not available',

   -> commission_pct = 0.10;

   Query OK, 13 rows affected (0.01 sec)