MySQL Assignment -2 (DML)

Que 1
Ans: Employess
mysql> INSERT INTO employees
    -> (employee_id, first_name, last_name, email, phone_number, hire_date,
    -> job_id, salary, manager_id, department_id)
    -> VALUES
    -> (100, 'Steven', 'King', 'SKING', '515.123.4567', '1987-06-17', 'AD_PRES', 24000, 200, 10),
    -> (101, 'Neena', 'Kochhar', 'NKOCHHAR', '515.123.4568', '1987-06-18', 'AD_VP', 17000, 200, 10),
    -> (103, 'Alexander', 'Hunold', 'AHUNOLD', '590.423.4567', '1987-06-20', 'IT_PROG', 9000, 103, 60),
    -> (107, 'Diana', 'Lorentz', 'DLORENTZ', '590.423.5567', '1987-06-24', 'IT_PROG', 4200, 114, 30),
    -> (108, 'Nancy', 'Greenberg', 'NGREENBE', '515.124.4569', '1987-06-25', 'SA_MAN', 12000, 145,
80);
Query OK, 5 rows affected (0.00 sec)
Records: 5 Duplicates: 0 Warnings: 0

Department
mysql> INSERT INTO department (department_id, department_name, manager_id)
    -> VALUES
    -> (10, 'Administration', 200),
    -> (60, 'IT', 103),
    -> (30, 'Purchasing', 114),
    -> (80, 'Sales', 145);
Query OK, 4 rows affected (0.01 sec)
Records: 4 Duplicates: 0 Warnings: 0

Que 2 Write a SQL statement to insert 3 rows by a single insert statement.
Ans: mysql> INSERT INTO department
    -> (department_id, department_name, manager_id, location_id)
    -> VALUES
    -> (40, 'Human Resources', 201, 2400),
    -> (50, 'Finance', 202, 2500),
    -> (70, 'Operations', 203, 2600);
Query OK, 3 rows affected (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 0

Que 3
Ans: mysql> INSERT INTO jobs (job_id, job_title, min_salary, max_salary)
    -> SELECT 'HR_REP', 'HR Representative', 4000, 9000
    -> WHERE NOT EXISTS (
    ->   SELECT 1 FROM jobs WHERE job_id = 'HR_REP'
    ->);
Query OK, 1 row affected (0.00 sec)
Records: 1 Duplicates: 0 Warnings: 0

Que 4 Write SQL statement to increment salary of each emp by 10%.
Ans: mysql> UPDATE employees
    -> SET salary = salary * 1.10;
Query OK, 5 rows affected (0.00 sec)
Rows matched: 5 Changed: 5 Warnings: 0
mysql> table employees;
+-------------+------------+-----------+----------+--------------+------------+---------+----------+------------+-------------+------
---------+
| employee_id | first_name | last_name | email | phone_number | hire_date | job_id | salary |

```
commission | manager_id | department_id |
+-------------+-----------+----------+----------+-------------+-----------+---------+----------+-----------+-----------+------
---------+
|        100 | Steven    | King     | SKING    | 515.123.4567 | 1987-06-17 | AD_PRES | 26400.00 |      NULL
|       200 |         10 |
|        101 | Neena     | Kochhar  | NKOCHHAR | 515.123.4568 | 1987-06-18 | AD_VP   | 18700.00 |
NULL |       200 |        10 |
|        103 | Alexander | Hunold   | AHUNOLD  | 590.423.4567 | 1987-06-20 | IT_PROG |  9900.00 |
NULL |       103 |        60 |
|        107 | Diana     | Lorentz  | DLORENTZ | 590.423.5567 | 1987-06-24 | IT_PROG |  4620.00 |
NULL |       114 |        30 |
|        108 | Nancy     | Greenberg | NGREENBE | 515.124.4569 | 1987-06-25 | SA_MAN  | 13200.00 |
NULL |       145 |        80 |
+-------------+-----------+----------+----------+-------------+-----------+---------+----------+-----------+-----------+------
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5 rows in set (0.00 sec)
```

Que 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%
Ans: mysql> UPDATE employees
   -> SET email = 'not available'
   -> WHERE department_id = 80
   -> AND commission_pct < 0.20;
Query OK, 0 rows affected (0.01 sec)
Rows matched: 0 Changed: 0 Warnings: 0

```
mysql> table employees;
+-------------+-----------+----------+----------+-------------+-----------+---------+----------+-----------+-----------+------
---------+----------------+
| employee_id | first_name | last_name | email    | phone_number | hire_date  | job_id  | salary   |
commission | manager_id | department_id | commission_pct |
+-------------+-----------+----------+----------+-------------+-----------+---------+----------+-----------+-----------+------
---------+----------------+
|        100 | Steven    | King     | SKING    | 515.123.4567 | 1987-06-17 | AD_PRES | 26400.00 |      NULL
|       200 |         10 |          NULL |
|        101 | Neena     | Kochhar  | NKOCHHAR | 515.123.4568 | 1987-06-18 | AD_VP   | 18700.00 |
NULL |       200 |        10 |          NULL |
|        103 | Alexander | Hunold   | AHUNOLD  | 590.423.4567 | 1987-06-20 | IT_PROG |  9900.00 |
NULL |       103 |        60 |          NULL |
|        107 | Diana     | Lorentz  | DLORENTZ | 590.423.5567 | 1987-06-24 | IT_PROG |  4620.00 |
NULL |       114 |        30 |          NULL |
|        108 | Nancy     | Greenberg | NGREENBE | 515.124.4569 | 1987-06-25 | SA_MAN  | 13200.00 |
NULL |       145 |        80 |          NULL |
+-------------+-----------+----------+----------+-------------+-----------+---------+----------+-----------+-----------+------
---------+----------------+
5 rows in set (0.00 sec)
```

Que 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.
Ans: mysql> UPDATE Employees
   -> SET EMAIL = 'not available'
   -> WHERE DEPARTMENT_ID = (
   ->   SELECT DEPARTMENT_ID
   ->   FROM Department

```
    ->     WHERE DEPARTMENT_NAME = 'Purchasing'
    -> );
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
mysql> table employees;
```

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission	manager_id	department_id	commission_pct
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	26400.00	NULL	200	10	NULL
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1987-06-18	AD_VP	18700.00	NULL	200	10	NULL
103	Alexander	Hunold	AHUNOLD	590.423.4567	1987-06-20	IT_PROG	9900.00	NULL	103	60	NULL
107	Diana	Lorentz	not available	590.423.5567	1987-06-24	IT_PROG	4620.00	NULL	114	30	NULL
108	Nancy	Greenberg	NGREENBE	515.124.4569	1987-06-25	SA_MAN	13200.00	NULL	145	80	NULL

```
5 rows in set (0.00 sec)
```

Que 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.

```
Ans:mysql> UPDATE Employees
    -> SET EMAIL = 'not available',
    ->     COMMISSION_PCT = 0.10;
Query OK, 5 rows affected (0.00 sec)
Rows matched: 5  Changed: 5  Warnings: 0
mysql> table employees;
```

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission	manager_id	department_id	commission_pct
100	Steven	King	not available	515.123.4567	1987-06-17	AD_PRES	26400.00	NULL	200	10	0.10
101	Neena	Kochhar	not available	515.123.4568	1987-06-18	AD_VP	18700.00	NULL	200	10	0.10
103	Alexander	Hunold	not available	590.423.4567	1987-06-20	IT_PROG	9900.00	NULL	103	60	0.10
107	Diana	Lorentz	not available	590.423.5567	1987-06-24	IT_PROG	4620.00	NULL	114	30	0.10
108	Nancy	Greenberg	not available	515.124.4569	1987-06-25	SA_MAN	13200.00	NULL	145	80	0.10

```
5 rows in set (0.00 sec)
```