

## Assignment: 3

Q 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 |
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Ans:- create table employees (

->eid int primary key,firstnm varchar(20),

->lastnm varchar(20) not null,email varchar(25) unique not null,

->mob varchar(20),hire\_date date,job\_id varchar(10),

->salary decimal(10,2),comission\_pct decimal(5,2),

->mid int,did int);

\* insert into employees(

-> eid,firstnm,lastnm,email,

-> mob,hire\_date,job\_id,salary,

-> comission\_pct,mid,did)

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-> 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);

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## Q. 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

**Ans:-** create table department(did int, dname varchar(20),mid int,location\_id int);

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* insert into department(
-> did,dname,mid,location_id)
-> values(10,'administration',200,1700),
-> (20,'marketing',201,1800),
-> (30,'purchasing',114,1700),
-> (40,'human resources',203,2400),
-> (50,'shipping',121,1500),

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-> (60,'IT',103,1400),  
 -> (70,'public relations',204,2700),  
 -> (80,'sales',145,2500);

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

**Ans:-** insert into department(  
 -> did,dname,mid,location\_id)  
 -> values(90,'science',101,5600),  
 -> (100,'commerce',226,2000),  
 -> (110,'art',110,3200);

**Q 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

**Ans:-** create table jobs(id varchar(20) primary key,title varchar(30),min\_salary decimal(10,0), max\_salary decimal(10,0);

insert into jobs(  
 -> id,title,min\_salary,max\_salary)  
 -> values('dev','developer',45000,60000);

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

**Ans:-** update employees set salary = salary \* 1.10;

**Q 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:-** update employees set email ='not available' where did=80 && comission\_pct < 0.20;

**Q 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:- select did from department where dname='purchasing';

**Q 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:- update employees set email='not available',comission\_pct = 0.10;