

1. Write a SQL statement to change the salary of an employee to 8000 whose ID is 105, if the existing salary is less than 5000

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postgres=# create database assgn4
postgres=# ;
CREATE DATABASE
postgres=# \c assgn4
You are now connected to database "assgn4" as user "postgres".
assgn4=# CREATE TABLE employees (
assgn4(#   EMPLOYEE_ID decimal(6,0) NOT NULL DEFAULT '0',
assgn4(#   FIRST_NAME varchar(20) DEFAULT NULL,
assgn4(#   LAST_NAME varchar(25) NOT NULL,
assgn4(#   EMAIL varchar(25) NOT NULL,
assgn4(#   PHONE_NUMBER varchar(20) DEFAULT NULL,
assgn4(#   HIRE_DATE date NOT NULL,
assgn4(#   JOB_ID varchar(10) NOT NULL,
assgn4(#   SALARY decimal(8,2) DEFAULT NULL,
assgn4(#   COMMISSION_PCT decimal(2,2) DEFAULT NULL,
assgn4(#   MANAGER_ID decimal(6,0) DEFAULT NULL,
assgn4(#   DEPARTMENT_ID decimal(4,0) DEFAULT NULL,
assgn4(#   PRIMARY KEY (EMPLOYEE_ID));
CREATE TABLE
INSERT INTO employees VALUES
(100,'Steven','King','SKING','515.123.4567','1987-06-17','AD_PRE
S',24000.00,0.00,0,90),
assgn4=#
(101,'Neena','Kochhar','NKOCHHAR','515.123.4568','1987-06-18','A
D_VP',17000.00,0.00,100,90),
assgn4=# (102,'Lex','De
Haan','LDEHAAN','515.123.4569','1987-06-19','AD_VP',17000.00,0.0
0,100,90),
assgn4=#
(103,'Alexander','Hunold','AHUNOLD','590.423.4567','1987-06-20',
'IT_PROG',9000.00,0.00,102,60),
assgn4=#
(104,'Bruce','Ernst','BERNST','590.423.4568','1987-06-21','IT_PR
OG',6000.00,0.00,103,60),
assgn4=#
(105,'David','Austin','DAUSTIN','590.423.4569','1987-06-22','IT_
PROG',4800.00,0.00,103,60),
```

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assgn4=#
(106,'Valli','Pataballa','VPATABAL','590.423.4560','1987-06-23',
'IT_PROG',4800.00,0.00,103,60);
assgn4=# UPDATE employees SET SALARY = 8000 WHERE employee_id =
105 AND salary < 5000;
UPDATE 1
assgn4=# select * from employees
assgn4=# ;

```

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	0	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1987-06-18	AD_VP	17000.00	0.00	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	1987-06-19	AD_VP	17000.00	0.00	100	90
103	Alexander	Hunold	AHUNOLD	590.423.4567	1987-06-20	IT_PROG	9000.00	0.00	102	60
104	Bruce	Ernst	BERNST	590.423.4568	1987-06-21	IT_PROG	6000.00	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	103	60

2. Write a SQL statement to change the job ID of the employee which ID is 118 to SH_CLERK if the employee belongs to a department which ID is 30 and the existing job ID does not start with SH.

```

assgn4=# UPDATE employees SET JOB_ID= 'SH_CLERK' WHERE
employee_id=118 AND department_id=30 AND NOT JOB_ID LIKE 'SH%';
UPDATE 1
assgn4=# select * from employees;
  employee_id | first_name | last_name | email |
phone_number | hire_date | job_id | salary |
commission_pct | manager_id | department_id
-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+-----+-----+
      116 | Shelli | Baida | SBAIDA | 515.127.4563
| 1987-07-03 | PU_CLERK | 2900.00 | 0.00 |
114 | 30
      117 | Sigal | Tobias | STOBIAS |
515.127.4564 | 1987-07-04 | PU_CLERK | 2800.00 |
0.00 | 114 | 30
      119 | Karen | Colmenares | KCOLMENA |
515.127.4566 | 1987-07-06 | PU_CLERK | 2500.00 |
0.00 | 114 | 30
      120 | Matthew | Weiss | MWEISS |
650.123.1234 | 1987-07-07 | ST_MAN | 8000.00 |
0.00 | 100 | 50

```

3. Write a SQL statement to increase the salary of employees under the department 40, 90 and 110 according to the company rules that, the salary will be increased by 25% of the department 40, 15% for department 90 and 10% of the department 110 and the rest of the department will remain same.

```

assgn4=# UPDATE employees SET salary= CASE department_id
WHEN 40 THEN salary+(salary*.25) WHEN 90 THEN
salary+(salary*.15) WHEN 110 THEN salary+(salary*.10)
ELSE salary END WHERE department_id IN
(40,50,50,60,70,80,90,110);
UPDATE 91
assgn4=# select * from employees;

```

4. Write a SQL statement to change the email column of the employees table with 'not available' for those employees who belongs to the 'Accounting' department.

5. Write a SQL statement to change the email and commission_pct column of the employees table with 'not available' and 0.10 for all employees.

```
assgn4=# UPDATE employees SET email='not
available',commission_pct=0.10;
UPDATE 107
```

```
assgn4=# select * from employees;
```

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	department_id
108	Nancy	Greenberg	not available	515.124.4569	1987-06-25	FI_MGR	12000.00	0.10	101	100
109	Daniel	Faviet	not available	515.124.4169	1987-06-26	FI_ACCOUNT	9000.00	0.10	108	100
110	John	Chen	not available	515.124.4269	1987-06-27	FI_ACCOUNT	8200.00	0.10	108	100
111	Ismael	Sciarra	not available	515.124.4369	1987-06-28	FI_ACCOUNT	7700.00	0.10	108	100

6. 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%.

```
assgn4=# UPDATE employees SET email='not available'WHERE
department_id=80 AND commission_pct<.20;
UPDATE 34
```

```
assgn4=# select * from employees;
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employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	department_id
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108		Nancy		Greenberg		not available	
515.124.4569				1987-06-25		FI_MGR	
0.10		101		100			
109		Daniel		Faviet		not available	
515.124.4169				1987-06-26		FI_ACCOUNT	
0.10		108		100			
110		John		Chen		not available	
515.124.4269				1987-06-27		FI_ACCOUNT	
0.10		108		100			