Assignment 4

Q,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.

update employees set salary = 8000 where employee_id = 105 and salary < 5000;

```
assignments=# update employees set salary = 8000 where employee_id = 105 and salary < 5000;
UPDATE 1
assignments=# select * from employees
assignments-# ;
 employee_id | first_name  |  last_name  |   email    |    phone_number    | hire_date  |   job_id   |  salary  | commis
sion_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 |

         203 | Susan       | Mavris      | SMAVRIS    | 515.123.7777       | 1987-09-28 | HR_REP     |  6500.00 |
    0.00 |        101 |            40
         204 | Hermann     | Baer        | HBAER      | 515.123.8888       | 1987-09-29 | PR_REP     | 10000.00 |
    0.00 |        101 |            70
         205 | Shelley     | Higgins     | SHIGGINS   | 515.123.8080       | 1987-09-30 | AC_MGR     | 12000.00 |
    0.00 |        101 |           110
         206 | William     | Gietz       | WGIETZ     | 515.123.8181       | 1987-10-01 | AC_ACCOUNT |  8300.00 |
    0.00 |        205 |           110
         105 | David       | Austin      | DAUSTIN    | 590.423.4569       | 1987-06-22 | IT_PROG    |  8000.00 |
    0.00 |        103 |            60
(107 rows)
```

Q.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.

```
assignments=*# select * from employees;
 employee_id | first_name  |  last_name  |   email    |    phone_number    | hire_date  |   job_id   |  salary  |
sion_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
         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 |        103 |            60
         108 | Nancy       | Greenberg   | NGREENBE   | 515.124.4569       | 1987-06-25 | FI_MGR     | 12000.00 |
    0.00 |        101 |           100
         109 | Daniel      | Faviet      | DFAVIET    | 515.124.4169       | 1987-06-26 | FI_ACCOUNT |  9000.00 |
    0.00 |        108 |           100
         110 | John        | Chen        | JCHEN      | 515.124.4269       | 1987-06-27 | FI_ACCOUNT |  8200.00 |
    0.00 |        108 |           100
         111 | Ismael      | Sciarra     | ISCIARRA   | 515.124.4369       | 1987-06-28 | FI_ACCOUNT |  7700.00 |
    0.00 |        108 |           100
         112 | Jose Manuel | Urman       | JMURMAN    | 515.124.4469       | 1987-06-29 | FI_ACCOUNT |  7800.00 |
    0.00 |        108 |           100
         113 | Luis        | Popp        | LPOPP      | 515.124.4567       | 1987-06-30 | FI_ACCOUNT |  6900.00 |
    0.00 |        108 |           100
         114 | Den         | Raphaely    | DRAPHEAL   | 515.127.4561       | 1987-07-01 | PU_MAN     | 11000.00 |
    0.00 |        100 |            30
```

```
      201 | Michael    | Hartstein   | MHARTSTE | 515.123.5555      | 1987-09-26 | MK_MAN     | 13000.00 |
 0.00 |      100 |            20
      202 | Pat        | Fay         | PFAY     | 603.123.6666      | 1987-09-27 | MK_REP     |  6000.00 |
 0.00 |      201 |            20
      203 | Susan      | Mavris      | SMAVRIS  | 515.123.7777      | 1987-09-28 | HR_REP     |  6500.00 |
 0.00 |      101 |            40
      204 | Hermann    | Baer        | HBAER    | 515.123.8888      | 1987-09-29 | PR_REP     | 10000.00 |
 0.00 |      101 |            70
      205 | Shelley    | Higgins     | SHIGGINS | 515.123.8080      | 1987-09-30 | AC_MGR     | 12000.00 |
 0.00 |      101 |           110
      206 | William    | Gietz       | WGIETZ   | 515.123.8181      | 1987-10-01 | AC_ACCOUNT |  8300.00 |
 0.00 |      205 |           110
      118 | Guy        | Himuro      | GHIMURO  | 515.127.4565      | 1987-07-05 | SH_CLERK   |  2600.00 |
 0.00 |      114 |            30
(107 rows)
```

Q.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.

Q.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.

```
assignments=*# update employees set email='not available' where job_id like '%ACCOUNT';
UPDATE 6
assignments=*# select * from employees;
 employee_id | first_name |  last_name  |     email     |   phone_number    | hire_date  |  job_id    | salary  |
ommission_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
      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 |

      203 | Susan      | Mavris      | SMAVRIS       | 515.123.7777      | 1987-09-28 | HR_REP     |  6500.00 |
 0.00 |      101 |            40
      204 | Hermann    | Baer        | HBAER         | 515.123.8888      | 1987-09-29 | PR_REP     | 10000.00 |
 0.00 |      101 |            70
      205 | Shelley    | Higgins     | SHIGGINS      | 515.123.8080      | 1987-09-30 | AC_MGR     | 12000.00 |
 0.00 |      101 |           110
      109 | Daniel     | Faviet      | not available | 515.124.4169      | 1987-06-26 | FI_ACCOUNT |  9000.00 |
 0.00 |      108 |           100
      110 | John       | Chen        | not available | 515.124.4269      | 1987-06-27 | FI_ACCOUNT |  8200.00 |
 0.00 |      108 |           100
      111 | Ismael     | Sciarra     | not available | 515.124.4369      | 1987-06-28 | FI_ACCOUNT |  7700.00 |
 0.00 |      108 |           100
      112 | Jose Manuel| Urman       | not available | 515.124.4469      | 1987-06-29 | FI_ACCOUNT |  7800.00 |
 0.00 |      108 |           100
      113 | Luis       | Popp        | not available | 515.124.4567      | 1987-06-30 | FI_ACCOUNT |  6900.00 |
 0.00 |      108 |           100
      206 | William    | Gietz       | not available | 515.123.8181      | 1987-10-01 | AC_ACCOUNT |  8300.00 |
 0.00 |      205 |           110
(107 rows)
```

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%.

update employees set email = 'not available' where department_id =80 and commission_pct < 0.2 ;

```
0.00 |       103 |           60
   206 | William    | Gietz    | not available | 515.123.8181       | 1987-10-01 | AC_ACCOUNT |  8300.00 |
0.00 |       205 |          110
   163 | Danielle   | Greene   | not available | 011.44.1346.229268 | 1987-08-19 | SA_REP     |  9500.00 |
0.15 |       147 |           80
   164 | Mattea     | Marvins  | not available | 011.44.1346.329268 | 1987-08-20 | SA_REP     |  7200.00 |
0.10 |       147 |           80
   165 | David      | Lee      | not available | 011.44.1346.529268 | 1987-08-21 | SA_REP     |  6800.00 |
0.10 |       147 |           80
   166 | Sundar     | Ande     | not available | 011.44.1346.629268 | 1987-08-22 | SA_REP     |  6400.00 |
0.10 |       147 |           80
   167 | Amit       | Banda    | not available | 011.44.1346.729268 | 1987-08-23 | SA_REP     |  6200.00 |
0.10 |       147 |           80
   171 | William    | Smith    | not available | 011.44.1343.629268 | 1987-08-27 | SA_REP     |  7400.00 |
0.15 |       148 |           80
   172 | Elizabeth  | Bates    | not available | 011.44.1343.529268 | 1987-08-28 | SA_REP     |  7300.00 |
0.15 |       148 |           80
   173 | Sundita    | Kumar    | not available | 011.44.1343.329268 | 1987-08-29 | SA_REP     |  6100.00 |
0.10 |       148 |           80
   179 | Charles    | Johnson  | not available | 011.44.1644.429262 | 1987-09-04 | SA_REP     |  6200.00 |
0.10 |       149 |           80
```

Q.6} 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.

update employees set email = 'not available',commission_pct=0.10;

```
assignments=# update employees set email = 'not available',commission_pct=0.10;
UPDATE 107
assignments=# select * from employees;
 employee_id | first_name  |  last_name  |     email     |   phone_number    | hire_date  |   job_id   | salary   | c
ission_pct | manager_id | department_id
-------------+-------------+-------------+---------------+-------------------+------------+------------+----------+--
-----------+------------+---------------
         100 | Steven      | King        | not available | 515.123.4567      | 1987-06-17 | AD_PRES    | 24000.00 |
 0.10 |         0 |           90
         101 | Neena       | Kochhar     | not available | 515.123.4568      | 1987-06-18 | AD_VP      | 17000.00 |
 0.10 |       100 |           90
         102 | Lex         | De Haan     | not available | 515.123.4569      | 1987-06-19 | AD_VP      | 17000.00 |
 0.10 |       100 |           90
         103 | Alexander   | Hunold      | not available | 590.423.4567      | 1987-06-20 | IT_PROG    |  9000.00 |
 0.10 |       102 |           60
         104 | Bruce       | Ernst       | not available | 590.423.4568      | 1987-06-21 | IT_PROG    |  6000.00 |
 0.10 |       103 |           60
         106 | Valli       | Pataballa   | not available | 590.423.4560      | 1987-06-23 | IT_PROG    |  4800.00 |
 0.10 |       103 |           60
         107 | Diana       | Lorentz     | not available | 590.423.5567      | 1987-06-24 | IT_PROG    |  4200.00 |
 0.10 |       103 |           60
         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
         112 | Jose Manuel | Urman       | not available | 515.124.4469      | 1987-06-29 | FI_ACCOUNT |  7800.00 |
 0.10 |       108 |          100
         113 | Luis        | Popp        | not available | 515.124.4567      | 1987-06-30 | FI_ACCOUNT |  6900.00 |
 0.10 |       108 |          100
         114 | Den         | Raphaely    | not available | 515.127.4561      | 1987-07-01 | PU_MAN     | 11000.00 |
```