NoSQL Database Management

SQL> create table empl_details(empno number(5),empname varchar(20),phno number(10),job_id varchar(10

),salary number(8),com_pct number(5),dept_id number(5));

Table created.

SQL> insert into empl_details values(1001,'Asha',7339477130,191114001,30000,01,201);

1 row created.

SQL> insert into empl_details values(1002,'Ayeesha',7339567891,191114002,29000,02,202);

1 row created.

SQL> insert into empl_details values

  2

SQL> insert into empl_details values(1003,'Nisha',7339459023,191114003,39000,03,203);

1 row created.

SQL> insert into empl_details values(1004,'Ebin',9443169732,191114004,29000,04,204);

1 row created.

SQL> insert into empl_details values(1005,'Eswar',9787668188,191114005,32000,05,205);

1 row created.

SQL> insert into empl_details values(1006,'Hussain',8796574839,191114006,29000,06,206);

1 row created.

SQL> insert into empl_details values(1007,'Rohith',7685940372,191114007,28000,07,207);

1 row created.

SQL> insert into empl_details values(1008,'Pooja',6785943728,191114008,34000,08,206);

1 row created.

SQL> insert into empl_details values(1009,'Lachu',7693490285,191114009,26000,09,209);

1 row created.

SQL> insert into empl_details values(1010,'Bharani',8796045839,191114010,27000,10,210);

1 row created.

SQL> select * from empl_details;

```
    EMPNO EMPNAME              PHNO JOB_ID     SALARY   COM_PCT
---------- ------------------- ---------- ---------- ---------- ----------
   DEPT_ID
----------
     1001 Asha          7339477130 191114001    30000        1
      201


     1002 Ayeesha       7339567891 191114002    29000        2
      202
```

```
1003 Nisha        7339459023 191114003    39000       3
   203
```

```
    EMPNO EMPNAME            PHNO JOB_ID     SALARY   COM_PCT
---------- -------------------- ---------- ---------- ---------- ----------
   DEPT_ID
----------
   1004 Ebin          9443169732 191114004    29000      4
   204

   1005 Eswar         9787668188 191114005    32000      5
   205

   1006 Hussain        8796574839 191114006    29000      6
   206
```

```
    EMPNO EMPNAME            PHNO JOB_ID     SALARY   COM_PCT
---------- -------------------- ---------- ---------- ---------- ----------
   DEPT_ID
----------
   1007 Rohith        7685940372 191114007    28000      7
   207

   1008 Pooja         6785943728 191114008    34000      8
   206

   1009 Lachu         7693490285 191114009    26000      9
   209
```

```
    EMPNO EMPNAME              PHNO JOB_ID       SALARY   COM_PCT
---------- -------------------- ---------- ---------- ---------- ----------
   DEPT_ID
----------
    1010 Bharani          8796045839 191114010    27000      10
     210
```

10 rows selected.

SQL> select empno,empname,salary+com_pct from empl_details;

```
    EMPNO EMPNAME          SALARY+COM_PCT
---------- -------------------- --------------
    1001 Asha              30001
    1002 Ayeesha            29002
    1003 Nisha             39003
    1004 Ebin             29004
    1005 Eswar             32005
    1006 Hussain            29006
    1007 Rohith            28007
    1008 Pooja             34008
    1009 Lachu             26009
    1010 Bharani            27010
```

10 rows selected.

SQL> select empno,empname,salary+com_pct as total from empl_details;

```
    EMPNO EMPNAME           TOTAL

---------- ------------------- ----------

     1001 Asha           30001

     1002 Ayeesha          29002

     1003 Nisha          39003

     1004 Ebin           29004

     1005 Eswar           32005

     1006 Hussain          29006

     1007 Rohith           28007

     1008 Pooja           34008

     1009 Lachu           26009

     1010 Bharani          27010


10 rows selected.


 SQL> select empno,empname,salary,com_pct,com_pct/salary*100 as present from empl_details;


    EMPNO EMPNAME           SALARY   COM_PCT   PRESENT

---------- ------------------- ---------- ---------- ----------

     1001 Asha           30000    1 .003333333

     1002 Ayeesha          29000     2 .006896552

     1003 Nisha          39000    3 .007692308

     1004 Ebin           29000    4 .013793103

     1005 Eswar           32000    5   .015625

     1006 Hussain          29000     6 .020689655

     1007 Rohith           28000    7    .025

     1008 Pooja           34000    8 .023529412

     1009 Lachu           26000    9 .034615385

     1010 Bharani          27000    10 .037037037


10 rows selected.
```

SQL> select empno,empname,salary,com_pct,com_pct/salary*100 as percent from empl_details;

EMPNO	EMPNAME	SALARY	COM_PCT	PERCENT
1001	Asha	30000	1	.003333333
1002	Ayeesha	29000	2	.006896552
1003	Nisha	39000	3	.007692308
1004	Ebin	29000	4	.013793103
1005	Eswar	32000	5	.015625
1006	Hussain	29000	6	.020689655
1007	Rohith	28000	7	.025
1008	Pooja	34000	8	.023529412
1009	Lachu	26000	9	.034615385
1010	Bharani	27000	10	.037037037

10 rows selected.

SQL> select empno,empname,salary,com_pct,round(com_pct/salary*100)as percent from empl_details;

EMPNO	EMPNAME	SALARY	COM_PCT	PERCENT
1001	Asha	30000	1	0
1002	Ayeesha	29000	2	0
1003	Nisha	39000	3	0
1004	Ebin	29000	4	0
1005	Eswar	32000	5	0
1006	Hussain	29000	6	0
1007	Rohith	28000	7	0
1008	Pooja	34000	8	0

```
     1009 Lachu              26000        9         0

     1010 Bharani            27000        10        0
```

10 rows selected.

SQL> select empno,empname,salary,com_pct,10/100*(salary+com_pct)as bonus from empl_details;

```
   EMPNO EMPNAME              SALARY   COM_PCT    BONUS

---------- -------------------- ---------- ---------- ----------

    1001 Asha                30000        1    3000.1

    1002 Ayeesha             29000        2    2900.2

    1003 Nisha               39000        3    3900.3

    1004 Ebin                29000        4    2900.4

    1005 Eswar               32000        5    3200.5

    1006 Hussain             29000        6    2900.6

    1007 Rohith              28000        7    2800.7

    1008 Pooja               34000        8    3400.8

    1009 Lachu               26000        9    2600.9

    1010 Bharani             27000        10     2701
```

10 rows selected.

SQL> select*from empl_details where dept_id IN(201,207);

```
   EMPNO EMPNAME               PHNO JOB_ID       SALARY   COM_PCT

---------- -------------------- ---------- ---------- ---------- ----------

  DEPT_ID

----------

    1001 Asha             7339477130 191114001     30000        1

     201
```

```
    1007 Rohith              7685940372 191114007     28000        7

    207
```

SQL> select* from empl_details where dept_id=209 or dept_id=204;

```
    EMPNO EMPNAME                PHNO JOB_ID      SALARY   COM_PCT
---------- -------------------- ---------- ---------- ---------- ----------
   DEPT_ID
----------
    1004 Ebin              9443169732 191114004     29000        4

    204


    1009 Lachu             7693490285 191114009     26000        9

    209
```

SQL> select*from empl_details where dept_id not in(201,207);

```
    EMPNO EMPNAME                PHNO JOB_ID      SALARY   COM_PCT
---------- -------------------- ---------- ---------- ---------- ----------
   DEPT_ID
----------
    1002 Ayeesha           7339567891 191114002     29000        2

    202


    1003 Nisha             7339459023 191114003     39000        3

    203


    1004 Ebin              9443169732 191114004     29000        4

    204
```

```
    EMPNO EMPNAME              PHNO JOB_ID     SALARY  COM_PCT
---------- ------------------- ---------- ---------- ---------- ----------
   DEPT_ID
----------
      1005 Eswar          9787668188 191114005    32000       5
       205


      1006 Hussain        8796574839 191114006    29000       6
       206


      1008 Pooja          6785943728 191114008    34000       8
       206




    EMPNO EMPNAME              PHNO JOB_ID     SALARY  COM_PCT
---------- ------------------- ---------- ---------- ---------- ----------
   DEPT_ID
----------
      1009 Lachu          7693490285 191114009    26000       9
       209


      1010 Bharani        8796045839 191114010    27000      10
       210



8 rows selected.


;
SQL> select*from empl_details where salary>=29000 and salary<=30000;
```

```
    EMPNO EMPNAME               PHNO JOB_ID      SALARY   COM_PCT
---------- -------------------- ---------- ---------- ---------- ----------
   DEPT_ID
----------
     1001 Asha            7339477130 191114001     30000        1
      201


     1002 Ayeesha         7339567891 191114002     29000        2
      202


     1004 Ebin            9443169732 191114004     29000        4
      204



    EMPNO EMPNAME               PHNO JOB_ID      SALARY   COM_PCT
---------- -------------------- ---------- ---------- ---------- ----------
   DEPT_ID
----------
     1006 Hussain         8796574839 191114006     29000        6
      206
```

SQL> select*from empl_details where salary BETWEEN 25000 and 30000;

```
    EMPNO EMPNAME               PHNO JOB_ID      SALARY   COM_PCT
---------- -------------------- ---------- ---------- ---------- ----------
   DEPT_ID
----------
     1001 Asha            7339477130 191114001     30000        1
      201
```

```
    1002 Ayeesha         7339567891 191114002     29000      2

    202


    1004 Ebin            9443169732 191114004     29000      4

    204



    EMPNO EMPNAME              PHNO JOB_ID      SALARY  COM_PCT
---------- ------------------ ---------- ---------- ---------- ----------

  DEPT_ID
----------

    1006 Hussain          8796574839 191114006     29000      6

    206


    1007 Rohith           7685940372 191114007     28000      7

    207


    1009 Lachu            7693490285 191114009     26000      9

    209



    EMPNO EMPNAME              PHNO JOB_ID      SALARY  COM_PCT
---------- ------------------ ---------- ---------- ---------- ----------

  DEPT_ID
----------

    1010 Bharani          8796045839 191114010     27000     10

    210



7 rows selected.
```

SQL> select*from empl_details where empname like 'A%';

```
    EMPNO EMPNAME              PHNO JOB_ID     SALARY   COM_PCT
---------- -------------------- ---------- ---------- ---------- ----------
   DEPT_ID
----------
     1001 Asha            7339477130 191114001    30000       1
      201


     1002 Ayeesha         7339567891 191114002    29000       2
      202
```

SQL> select*from empl_details where empname like '%n';

```
    EMPNO EMPNAME              PHNO JOB_ID     SALARY   COM_PCT
---------- -------------------- ---------- ---------- ---------- ----------
   DEPT_ID
----------
     1004 Ebin            9443169732 191114004    29000       4
      204


     1006 Hussain         8796574839 191114006    29000       6
      206
```

SQL> select dept_id,sum(salary)from empl_details group by dept_id having sum(salary)>30000 order by

dept_id;

```
    DEPT_ID SUM(SALARY)

---------- -----------

       203      39000

       205      32000

       206      63000
```

SQL> select dept_id,sum(salary)from empl_details group by dept_id order by dept_id asc;

```
    DEPT_ID SUM(SALARY)

---------- -----------

       201      30000

       202      29000

       203      39000

       204      29000

       205      32000

       206      63000

       207      28000

       209      26000

       210      27000
```

9 rows selected.

SQL> select dept_id,sum(salary)from empl_details group by dept_id order by dept_id desc;

```
    DEPT_ID SUM(SALARY)

---------- -----------

       210      27000

       209      26000

       207      28000

       206      63000

       205      32000
```

204	29000
203	39000
202	29000
201	30000

9 rows selected.

SQL> rename empl_details to emplo_details;

Table renamed.

SQL> drop table emplo_details;

Table dropped.