Lab Assignment-06

ROLL: 2005535 | NAME: SAHIL SINGH | DATE: 23/03/22

QUES : Run the following queries.

1. List the details of the depts along with empno, ename or without the emps.

2. List the details of the emps whose salaries more than the employee Kevin.

3. List the emps whose mgr name is ‘Jones’ and also list their manager name.

4. List the emps name, job, salary,grade and dname except ‘Clerk’ and sort on the basis of highest salary.

5. List the names of depts , where at least 3 emps are working in each dept

6. Find out the no of emps whose salary is > their Manager salary

7. List those emps whose sal is odd value

8. Produce the following output from EMP.

   a. Employee

      SMITH(clerk)

      ALLEN(Salesman)

9. Write a query to return the day of the week for any date entered in format ‘DD-MM-YY’

10. List those managers who are getting less than his emps salary.

SOLUTION:

List the details of the depts along with empno, ename or without the emps.

```
SQL> select * from employees e, departments d where e.department_id(+)=d.department_id;

EMPLOYEE_ID FIRST_NAME           LAST_NAME            EMAIL                     PHONE_NUMBER
----------- -------------------- -------------------- ------------------------- --------------------
HIRE_DATE JOB_ID         SALARY COMMISSION_PCT MANAGER_ID DEPARTMENT_ID DEPARTMENT_ID
--------- ---------- ---------- -------------- ---------- ------------- -------------
DEPARTMENT_NAME                MANAGER_ID LOCATION_ID
------------------------------ ---------- -----------
        100 STEVEN               King                 SKING                     515.123.4567
17-JUN-87 AD_PRES         24000                                 90            90
Executive                             100        1700

        101 Neena                Kochhar              NKOCHHAR                  515.123.4568
21-SEP-89 AD_VP           17000                      100            90            90
Executive                             100        1700

        102 Lex                  De Haan              LDEHAAN                   515.123.4569
13-JAN-93 AD_VP           17000                      100            90            90
Executive                             100        1700

        103 Alexander            Hunold               AHUNOLD                   590.423.4567
03-JAN-90 IT_PROG          9000                      102            60            60
IT                                    103        1400

        104 Bruce                Ernst                BERNST                    590.423.4568
21-MAY-91 IT_PROG          6000                      103            60            60
IT                                    103        1400

        107 Diana                Lorentz              DLORENTZ                  590.423.5567
07-FEB-99 IT_PROG          4200                      103            60            60
IT                                    103        1400

        124 Kevin                Mourgos              KMOURGOS                  650.123.5234
16-NOV-99 ST_MAN           5800                      100            50            50
Shipping                              124        1500

        141 Trenna               Rajs                 TRAJS                     650.121.8009
17-OCT-95 ST_CLERK         3500                      124            50            50
```

List the details of the emps whose salaries more than the employee Kevin.

SQL> select e.* from employees e, employees w where e.salary > w.salary and w.first_name='Kevin';

```
SQL> select e.* from employees e, employees w where e.salary > w.salary and w.first_name='Kevin';

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
17-JUN-87 AD_PRES         24000                                      90

        101 Neena                Kochhar              NKOCHHAR                  515.123.4568
21-SEP-89 AD_VP           17000                       100            90

        102 Lex                  De Haan              LDEHAAN                   515.123.4569
13-JAN-93 AD_VP           17000                       100            90

        103 Alexander            Hunold               AHUNOLD                   590.423.4567
03-JAN-90 IT_PROG          9000                       102            60

        104 Bruce                Ernst                BERNST                    590.423.4568
21-MAY-91 IT_PROG          6000                       103            60

        149 Eleni                Zlotkey              EZLOTKEY                  011.44.1344.429018
29-JAN-00 SA_MAN          10500             .2       100            80

        174 Ellen                Abel                 EABEL                     011.44.1644.429267
11-MAY-96 SA_REP          11000             .3       149            80

        176 Jonathon             Taylor               JTAYLOR                   011.44.1644.429265
24-MAY-98 SA_REP           8600             .2       149            80

        178 Kimberely            Grant                KGRANT                    011.44.1644.429263
24-MAY-99 SA_REP           7000            .15       149

        201 Michael              Hartstein            MHARTSTE                  515.123.5555
17-FEB-96 MK_MAN          13000                       100            20
```

List the emps whose mgr name is ‘Jones’ and also list their manager name.

SQL> select e.* from employees e, employees w where e.manager_id=w.employee_id and w.first_name='Jones';

```
SQL> select e.* from employees e, employees w where e.manager_id=w.employee_id and w.first_name='Jones';

no rows selected
```

List the emps name, job, salary,grade and dname except ‘Clerk’ and sort on the basis of highest salary.

SQL> select e.first_name, e.job_id, e.salary, j.grade_level, d.department_name from employees e, departments d, job_grades j where e.department_id=d.department_id and e.salary between j.lowest_sal and j.higest_sal and e.job_id not in ('st_clerk') order by e.salary desc;

```
SQL> select e.first_name, e.job_id, e.salary, j.grade_level, d.department_name from employees e, departments d, job_grades j where e.department_id=d.department_id and e.sal
ary between j.lowest_sal and j.higest_sal and e.job_id not in ('st_clerk') order by e.salary desc;

FIRST_NAME           JOB_ID         SALARY GRA DEPARTMENT_NAME
-------------------- ---------- ---------- --- ------------------------------
STEVEN               AD_PRES         24000 E   Executive
Neena                AD_VP           17000 E   Executive
Lex                  AD_VP           17000 E   Executive
Michael              MK_MAN          13000 D   Marketing
Shelley              AC_MGR          12000 D   Accounting
Ellen                SA_REP          11000 D   Sales
Eleni                SA_MAN          10500 D   Sales
Alexander            IT_PROG          9000 C   IT
Jonathon             SA_REP           8600 C   Sales
William              AC_ACCOUNT       8300 C   Accounting
Bruce                IT_PROG          6000 C   IT
Pat                  MK_REP           6000 C   Marketing
Kevin                ST_MAN           5800 B   Shipping
Jennifer             AD_ASST          4400 B   Admisistrarion
Diana                IT_PROG          4200 B   IT
Trenna               ST_CLERK         3500 B   Shipping
Curtis               ST_CLERK         3100 B   Shipping
Randall              ST_CLERK         2600 A   Shipping

18 rows selected.
```

List the names of depts , where at least 3 emps are working in each dept

SQL> select d.department_name, count(*) as total_count from employees e, departments d where e.department_id=d.department_id group by d.department_name having count(*)>=3;

```
SQL> select d.department_name, count(*) as total_count from employees e, departments d where e.department_id=d.department_id group by d.department_name having count(*)>=3;

DEPARTMENT_NAME              TOTAL_COUNT
---------------------------- -----------
Executive                              3
IT                                     3
Shipping                               5
Sales                                  3
```

Find out the no of emps whose salary is > their Manager salary

SQL> select count(*) as total_count from employees e, employees w where e.manager_id=w.employee_id and e.salary>w.salary;

```
SQL> select count(*) as total_count from employees e, employees w where e.manager_id=w.employee_id and e.salary>w.salary;

TOTAL_COUNT
-----------
          1
```

List those emps whose sal is odd value

SQL> select * from employees where mod(salary,2)=1;

```
SQL> select * from employees where mod(salary,2)=1;

no rows selected
```

Produce the following output from EMP.

a. Employee

SMITH(clerk)

ALLEN(Salesman)

SQL> select first_name || '('||job_id||')' as "Employee_Name(Job_Id)" from employees;

```
SQL> select first_name || '('||job_id||')' as "Employee_Name(Job_Id)" from employees;

Employee_Name(Job_Id)
------------------------------
STEVEN(AD_PRES)
Neena(AD_VP)
Lex(AD_VP)
Alexander(IT_PROG)
Bruce(IT_PROG)
Diana(IT_PROG)
Kevin(ST_MAN)
Trenna(ST_CLERK)
Curtis(ST_CLERK)
Randall(ST_CLERK)
Peter(2500)
Eleni(SA_MAN)
Ellen(SA_REP)
Jonathon(SA_REP)
Kimberely(SA_REP)
Jennifer(AD_ASST)
Michael(MK_MAN)
Pat(MK_REP)
Shelley(AC_MGR)
William(AC_ACCOUNT)

20 rows selected.
```

Write a query to return the day of the week for any date entered in format 'DD-MM-YY'

SQL> select to_char(to_date('&input_date','dd-mm-yy'),'day') as day from dual;

```
SQL> select to_char(to_date('&input_date','dd-mm-yy'),'day') as day from dual;
Enter value for input_date: 23032022
old   1: select to_char(to_date('&input_date','dd-mm-yy'),'day') as day from dual
new   1: select to_char(to_date('23032022','dd-mm-yy'),'day') as day from dual

DAY
------------------------------------
wednesday
```

List those managers who are getting less than his emps salary.

SQL> select distinct w.first_name, w.salary from employees e,employees w where e.manager_id=w.employee_id and w.salary<e.salary;

```
SQL> select distinct w.first_name, w.salary from employees e,employees w where e.manager_id=w.employee_id and w.salary<e.salary;

FIRST_NAME              SALARY
-------------------- ----------
Eleni                    10500
```
