MOKSHI AYA
FYCS - 04

PRACTICAL NO.3

A) Using emp table, perform the following queries:

1) Display the details of all employees.

Run SQL Command Line

```
Connected.
SQL> select * from MOKSHI_EMP;

     EMPNO ENAME      JOB              MRG HIREDATE          SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7839 KING       PRESIDENT            17-NOV-81       5000
        10

      7698 BLACK      MANAGER         7839 01-MAY-81       2850
        30

      7782 CLARK      MANAGER         7839 09-JAN-81       2450
        10


     EMPNO ENAME      JOB              MRG HIREDATE          SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7566 JONES      MANAGER         7839 02-APR-81       2975
        20

      7788 SCOTT      ANALYST         7566 19-APR-87       3000
        20

      7902 FORD       ANALYST         7566 03-DEC-81       3000
        20


     EMPNO ENAME      JOB              MRG HIREDATE          SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7369 SMITH      CLERK           7902 17-DEC-80        800
        20

      7499 ALLEN      SALESMAN        7698 20-FEB-81       1600        300
        30

      7521 WARD       SALESMAN        7698 22-FEB-81       1250        500
        30


     EMPNO ENAME      JOB              MRG HIREDATE          SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7654 MARTIN     SALESMAN        7698 28-SEP-81       1250       1400
        30

      7844 TURNER     SALESMAN        7698 08-SEP-81       1500          0
        30

      7876 ADAMS      CLERK           7788 23-MAY-87       1100
        20


     EMPNO ENAME      JOB              MRG HIREDATE          SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7900 JAMES      CLERK           7698 03-DEC-81        950
        30

      7934 MILLER     CLERK           7782 23-JAN-82       1300
        10


14 rows selected.
```

2) Display the name and job for all employees.

Run SQL Command Line

```
SQL> SELECT ENAME,JOB FROM MOKSHI_EMP;

ENAME      JOB
---------- ---------
KING       PRESIDENT
BLACK      MANAGER
CLARK      MANAGER
JONES      MANAGER
SCOTT      ANALYST
FORD       ANALYST
SMITH      CLERK
ALLEN      SALESMAN
WARD       SALESMAN
MARTIN     SALESMAN
TURNER     SALESMAN

ENAME      JOB
---------- ---------
ADAMS      CLERK
JAMES      CLERK
MILLER     CLERK

14 rows selected.
```

3) Display name and salary for all employees.

Run SQL Command Line

```
SQL> SELECT ENAME,SAL FROM MOKSHI_EMP;

ENAME             SAL
---------- ----------
KING             5000
BLACK            2850
CLARK            2450
JONES            2975
SCOTT            3000
FORD             3000
SMITH             800
ALLEN            1600
WARD             1250
MARTIN           1250
TURNER           1500

ENAME             SAL
---------- ----------
ADAMS            1100
JAMES             950
MILLER           1300

14 rows selected.
```

4) Display the details of all employees who are earning salary greater than 2000.

Run SQL Command Line

```
SQL> SELECT * FROM MOKSHI_EMP
  2  WHERE SAL>2000;

     EMPNO ENAME      JOB              MRG HIREDATE          SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7839 KING       PRESIDENT            17-NOV-81       5000
        10

      7698 BLACK      MANAGER         7839 01-MAY-81       2850
        30

      7782 CLARK      MANAGER         7839 09-JAN-81       2450
        10


     EMPNO ENAME      JOB              MRG HIREDATE          SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7566 JONES      MANAGER         7839 02-APR-81       2975
        20

      7788 SCOTT      ANALYST         7566 19-APR-87       3000
        20

      7902 FORD       ANALYST         7566 03-DEC-81       3000
        20


6 rows selected.
```

5) Display the details of all employees who are working as Manager.

Run SQL Command Line

```
SQL> SELECT * FROM MOKSHI_EMP
  2  WHERE JOB='MANAGER';

     EMPNO ENAME      JOB              MRG HIREDATE          SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7698 BLACK      MANAGER         7839 01-MAY-81       2850
        30

      7782 CLARK      MANAGER         7839 09-JAN-81       2450
        10

      7566 JONES      MANAGER         7839 02-APR-81       2975
        20
```

6) Display the names of all employees who are working in department number 10.

```
Run SQL Command Line
SQL> SELECT * FROM MOKSHI_EMP
  2  WHERE DEPTNO=10;

     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7839 KING       PRESIDENT            17-NOV-81       5000
        10

      7782 CLARK      MANAGER         7839 09-JAN-81       2450
        10

      7934 MILLER     CLERK           7782 23-JAN-82       1300
        10
```

7) Display the names of all employees working as clerk and drawing a salary more than 3000.

```
Run SQL Command Line

SQL> SELECT * FROM MOKSHI_EMP
  2  WHERE JOB='CLERK' AND SAL>3000;

no rows selected

SQL>
```

8) Display employee number and names for employees who earn commission.

```
Run SQL Command Line

SQL> SELECT EMPNO,ENAME,COMM FROM MOKSHI_EMP
  2  WHERE COMM>0;

     EMPNO ENAME             COMM
---------- ---------- ----------
      7499 ALLEN             300
      7521 WARD              500
      7654 MARTIN           1400
```

9) Display names of employees who do not earn any commission.

Run SQL Command Line

```
SQL> SELECT EMPNO,ENAME,COMM FROM MOKSHI_EMP
  2  WHERE COMM IS NULL;

     EMPNO ENAME            COMM
---------- ---------- ----------
      7839 KING
      7698 BLACK
      7782 CLARK
      7566 JONES
      7788 SCOTT
      7902 FORD
      7369 SMITH
      7876 ADAMS
      7900 JAMES
      7934 MILLER

10 rows selected.
```

10) Display the names of employees who are working as clerk, salesman or analyst and drawing a salary more than 2000.

Run SQL Command Line

```
SQL> SELECT ENAME FROM MOKSHI_EMP
  2  WHERE JOB IN('CLERK','SALESMAN','ANALYST')AND SAL>2000;

ENAME
----------
SCOTT
FORD
```

11) Display the names of employees who are working as clerk, salesman or analyst.

Run SQL Command Line

```
SQL> SELECT ENAME FROM MOKSHI_EMP
  2  WHERE JOB IN('CLERK','SALESMAN','ANALYST');

ENAME
----------
SCOTT
FORD
SMITH
ALLEN
WARD
MARTIN
TURNER
ADAMS
JAMES
MILLER

10 rows selected.
```

12) Display the names of employees working in department number 10 or 20 or 30.

Run SQL Command Line

```
SQL> SELECT ENAME FROM MOKSHI_EMP
  2  WHERE DEPTNO IN(10,20,30);

ENAME
----------
KING
BLACK
CLARK
JONES
SCOTT
FORD
SMITH
ALLEN
WARD
MARTIN
TURNER

ENAME
----------
ADAMS
JAMES
MILLER

14 rows selected.
```

13) Display the details of employees whose salary lies in the range of 1000 and 2000.

Run SQL Command Line

```
SQL> SELECT * FROM MOKSHI_EMP
  2  WHERE SAL BETWEEN 1000 AND 3000;

     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7698 BLACK      MANAGER         7839 01-MAY-81       2850
        30

      7782 CLARK      MANAGER         7839 09-JAN-81       2450
        10

      7566 JONES      MANAGER         7839 02-APR-81       2975
        20


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7788 SCOTT      ANALYST         7566 19-APR-87       3000
        20

      7902 FORD       ANALYST         7566 03-DEC-81       3000
        20

      7499 ALLEN      SALESMAN        7698 20-FEB-81       1600        300
        30


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7521 WARD       SALESMAN        7698 22-FEB-81       1250        500
        30

      7654 MARTIN     SALESMAN        7698 28-SEP-81       1250       1400
        30

      7844 TURNER     SALESMAN        7698 08-SEP-81       1500          0
        30


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7876 ADAMS      CLERK           7788 23-MAY-87       1100
        20

      7934 MILLER     CLERK           7782 23-JAN-82       1300
        10


11 rows selected.
```

14) List the employees in the ascending order of their salaries.

Run SQL Command Line

```
SQL> SELECT * FROM MOKSHI_EMP
  2  ORDER BY SAL ASC;

     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7369 SMITH      CLERK           7902 17-DEC-80        800
        20

      7900 JAMES      CLERK           7698 03-DEC-81        950
        30

      7876 ADAMS      CLERK           7788 23-MAY-87       1100
        20


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7654 MARTIN     SALESMAN        7698 28-SEP-81       1250       1400
        30

      7521 WARD       SALESMAN        7698 22-FEB-81       1250        500
        30

      7934 MILLER     CLERK           7782 23-JAN-82       1300
        10


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7844 TURNER     SALESMAN        7698 08-SEP-81       1500          0
        30

      7499 ALLEN      SALESMAN        7698 20-FEB-81       1600        300
        30

      7782 CLARK      MANAGER         7839 09-JAN-81       2450
        10


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7698 BLACK      MANAGER         7839 01-MAY-81       2850
        30

      7566 JONES      MANAGER         7839 02-APR-81       2975
        20

      7902 FORD       ANALYST         7566 03-DEC-81       3000
        20


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7788 SCOTT      ANALYST         7566 19-APR-87       3000
        20

      7839 KING       PRESIDENT            17-NOV-81       5000
        10
```

15) List the Empno, Ename, Sal of all emps working for Mgr 7369.

```
Run SQL Command Line

SQL> SELECT EMPNO,ENAME,SAL FROM MOKSHI_EMP
  2  WHERE MRG=7369;

no rows selected

SQL> _
```

16) List the employees who are either 'CLERK' or 'ANALYST' in the Desc order.

```
Run SQL Command Line
SQL> SELECT * FROM MOKSHI_EMP
  2  WHERE JOB='CLERK' OR JOB='ANALYST'
  3  ORDER BY JOB DESC;

     EMPNO ENAME      JOB              MRG HIREDATE          SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7369 SMITH      CLERK           7902 17-DEC-80        800
        20

      7900 JAMES      CLERK           7698 03-DEC-81        950
        30

      7934 MILLER     CLERK           7782 23-JAN-82       1300
        10


     EMPNO ENAME      JOB              MRG HIREDATE          SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7876 ADAMS      CLERK           7788 23-MAY-87       1100
        20

      7902 FORD       ANALYST         7566 03-DEC-81       3000
        20

      7788 SCOTT      ANALYST         7566 19-APR-87       3000
        20


6 rows selected.
```

17) List the employees who are working in Deptno 10 or 20.

Run SQL Command Line

```
SQL> SELECT * FROM MOKSHI_EMP
  2  WHERE DEPTNO IN(10,20);

     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7839 KING       PRESIDENT            17-NOV-81       5000
        10

      7782 CLARK      MANAGER         7839 09-JAN-81       2450
        10

      7566 JONES      MANAGER         7839 02-APR-81       2975
        20


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7788 SCOTT      ANALYST         7566 19-APR-87       3000
        20

      7902 FORD       ANALYST         7566 03-DEC-81       3000
        20

      7369 SMITH      CLERK           7902 17-DEC-80        800
        20


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7876 ADAMS      CLERK           7788 23-MAY-87       1100
        20

      7934 MILLER     CLERK           7782 23-JAN-82       1300
        10


8 rows selected.
```

18) List the employees whose name have a character set ‘ll’ together.

Run SQL Command Line

```
SQL> SELECT * FROM MOKSHI_EMP
  2  WHERE ENAME LIKE '%LL%';

     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7499 ALLEN      SALESMAN        7698 20-FEB-81       1600        300
        30

      7934 MILLER     CLERK           7782 23-JAN-82       1300
        10
```

19) List the employees in ascending order of their names.

Run SQL Command Line

```
SQL> SELECT * FROM MOKSHI_EMP
  2  ORDER BY ENAME ASC;

     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7876 ADAMS      CLERK           7788 23-MAY-87       1100
        20

      7499 ALLEN      SALESMAN        7698 20-FEB-81       1600        300
        30

      7698 BLACK      MANAGER         7839 01-MAY-81       2850
        30


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7782 CLARK      MANAGER         7839 09-JAN-81       2450
        10

      7902 FORD       ANALYST         7566 03-DEC-81       3000
        20

      7900 JAMES      CLERK           7698 03-DEC-81        950
        30


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7566 JONES      MANAGER         7839 02-APR-81       2975
        20

      7839 KING       PRESIDENT            17-NOV-81       5000
        10

      7654 MARTIN     SALESMAN        7698 28-SEP-81       1250       1400
        30


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7934 MILLER     CLERK           7782 23-JAN-82       1300
        10

      7788 SCOTT      ANALYST         7566 19-APR-87       3000
        20

      7369 SMITH      CLERK           7902 17-DEC-80        800
        20


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7844 TURNER     SALESMAN        7698 08-SEP-81       1500          0
        30

      7521 WARD       SALESMAN        7698 22-FEB-81       1250        500
        30


14 rows selected.
```

20) List the employees in descending order of their names.

Run SQL Command Line

```
SQL> SELECT * FROM MOKSHI_EMP
  2  ORDER BY ENAME DESC;

     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7521 WARD       SALESMAN        7698 22-FEB-81       1250        500
        30

      7844 TURNER     SALESMAN        7698 08-SEP-81       1500          0
        30

      7369 SMITH      CLERK           7902 17-DEC-80        800
        20


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7788 SCOTT      ANALYST         7566 19-APR-87       3000
        20

      7934 MILLER     CLERK           7782 23-JAN-82       1300
        10

      7654 MARTIN     SALESMAN        7698 28-SEP-81       1250       1400
        30


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7839 KING       PRESIDENT            17-NOV-81       5000
        10

      7566 JONES      MANAGER         7839 02-APR-81       2975
        20

      7900 JAMES      CLERK           7698 03-DEC-81        950
        30


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7902 FORD       ANALYST         7566 03-DEC-81       3000
        20

      7782 CLARK      MANAGER         7839 09-JAN-81       2450
        10

      7698 BLACK      MANAGER         7839 01-MAY-81       2850
        30


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7499 ALLEN      SALESMAN        7698 20-FEB-81       1600        300
        30

      7876 ADAMS      CLERK           7788 23-MAY-87       1100
        20


14 rows selected.
```

21) List the employees who do not belong to Deptno 20.

Run SQL Command Line

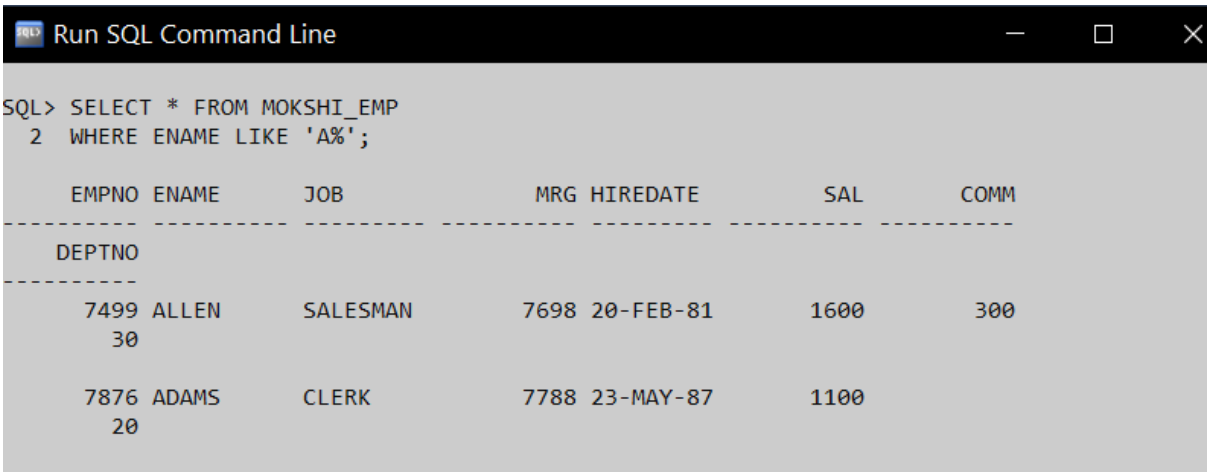
```
SQL> SELECT * FROM MOKSHI_EMP
  2  WHERE DEPTNO NOT IN 20;

     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7839 KING       PRESIDENT            17-NOV-81       5000
        10

      7698 BLACK      MANAGER         7839 01-MAY-81       2850
        30

      7782 CLARK      MANAGER         7839 09-JAN-81       2450
        10


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7499 ALLEN      SALESMAN        7698 20-FEB-81       1600        300
        30

      7521 WARD       SALESMAN        7698 22-FEB-81       1250        500
        30

      7654 MARTIN     SALESMAN        7698 28-SEP-81       1250       1400
        30


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7844 TURNER     SALESMAN        7698 08-SEP-81       1500          0
        30

      7900 JAMES      CLERK           7698 03-DEC-81        950
        30

      7934 MILLER     CLERK           7782 23-JAN-82       1300
        10


9 rows selected.
```

22) List all the employees except PRESIDENT and MANAGER.

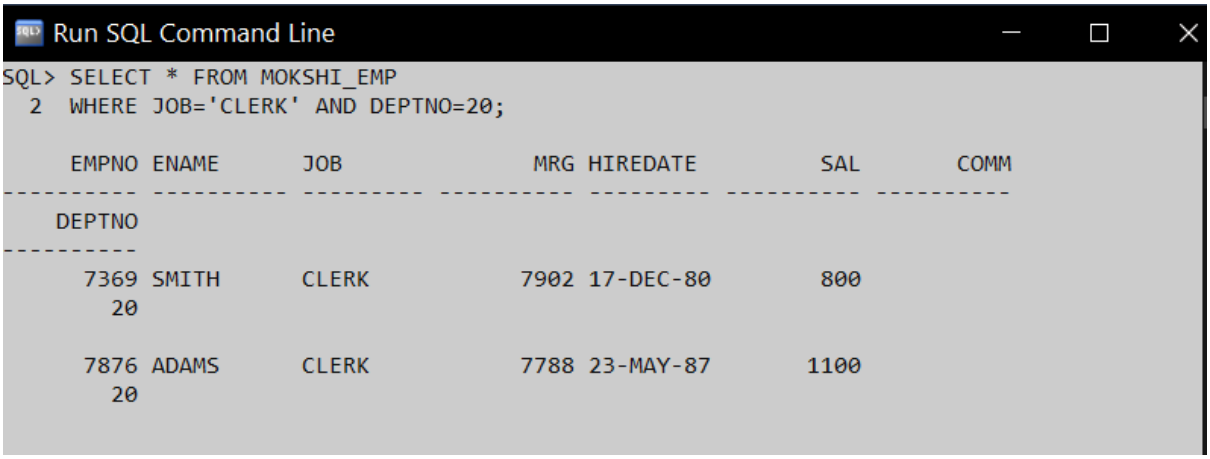
Run SQL Command Line

```
SQL> SELECT * FROM MOKSHI_EMP
  2  WHERE JOB NOT IN('PRESIDENT','MANAGER');

     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7788 SCOTT      ANALYST         7566 19-APR-87       3000
        20

      7902 FORD       ANALYST         7566 03-DEC-81       3000
        20

      7369 SMITH      CLERK           7902 17-DEC-80        800
        20


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7499 ALLEN      SALESMAN        7698 20-FEB-81       1600        300
        30

      7521 WARD       SALESMAN        7698 22-FEB-81       1250        500
        30

      7654 MARTIN     SALESMAN        7698 28-SEP-81       1250       1400
        30


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7844 TURNER     SALESMAN        7698 08-SEP-81       1500          0
        30

      7876 ADAMS      CLERK           7788 23-MAY-87       1100
        20

      7900 JAMES      CLERK           7698 03-DEC-81        950
        30


     EMPNO ENAME      JOB              MRG HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7934 MILLER     CLERK           7782 23-JAN-82       1300
        10


10 rows selected.
```

23) List the employees whose name starts with A.



24) List all the Clerks of Deptno 20.



25) List the employees whose names ends with S.

26) List the employees who has name of exactly 4 characters.

```
Run SQL Command Line
SQL> SELECT * FROM MOKSHI_EMP
  2  WHERE ENAME LIKE '____';

     EMPNO ENAME      JOB               MRG HIREDATE                 SAL
---------- ---------- --------- ---------- ------------------ ----------
      COMM     DEPTNO
---------- ----------
      7839 KING       PRESIDENT            17-NOV-1981 12:00AM       5000
                   10

      7902 FORD       ANALYST         7566 03-DEC-1981 12:00AM       3000
                   20

      7521 WARD       SALESMAN        7698 22-FEB-1981 12:00AM       1250
       500         30
```

27) List the names of the employees who are working as MANAGER in department 10.

```
Run SQL Command Line
SQL> SELECT * FROM MOKSHI_EMP
  2  WHERE JOB='MANAGER' AND DEPTNO=10;

     EMPNO ENAME      JOB               MRG HIREDATE                 SAL
---------- ---------- --------- ---------- ------------------ ----------
      COMM     DEPTNO
---------- ----------
      7782 CLARK      MANAGER         7839 09-JAN-1981 12:00AM       2450
                   10
```

28) List the total salary of employees working as ANALYST.

```
Run SQL Command Line
SQL> SELECT SUM(SAL)
  2  FROM MOKSHI_EMP
  3  WHERE JOB='ANALYST';

  SUM(SAL)
----------
      6000
```

29) List the minimum, maximum and average salary of the employees.

```
Run SQL Command Line

SQL> SELECT MIN(SAL),MAX(SAL),AVG(SAL) FROM MOKSHI_EMP;

  MIN(SAL)   MAX(SAL)   AVG(SAL)
---------- ---------- ----------
       800       5000 2073.21429
```

30) List the total number of employees working in department 10.

Run SQL Command Line

```
SQL> SELECT DEPTNO, COUNT(*)
  2  FROM MOKSHI_EMP
  3  GROUP BY DEPTNO;

    DEPTNO   COUNT(*)
---------- ----------
        30          6
        20          5
        10          3
```

B) Answer the following queries:

1) Display the total salary of employees department wise.

Run SQL Command Line

```
SQL> SELECT DEPTNO, SUM(SAL) FROM MOKSHI_EMP
  2  GROUP BY DEPTNO;

    DEPTNO   SUM(SAL)
---------- ----------
        30       9400
        20      10875
        10       8750
```

2) Display the total salary of employees job wise in ascending order of job.

Run SQL Command Line

```
SQL> SELECT JOB,SUM(SAL)
  2  FROM MOKSHI_EMP
  3  GROUP BY JOB
  4  ORDER BY JOB ASC;

JOB          SUM(SAL)
--------- ----------
ANALYST          6000
CLERK            4150
MANAGER          8275
PRESIDENT        5000
SALESMAN         5600
```

3) Display the total number of employees with specific job.

Run SQL Command Line

```
SQL> SELECT JOB,COUNT(*)
  2  FROM MOKSHI_EMP
  3  GROUP BY JOB;

JOB          COUNT(*)
--------- ----------
CLERK                4
SALESMAN             4
PRESIDENT            1
MANAGER              3
ANALYST              2
```

4) Display the total number of employees working in each department.

Run SQL Command Line

```
SQL> SELECT DEPTNO, COUNT(*)
  2  FROM MOKSHI_EMP
  3  GROUP BY DEPTNO;

    DEPTNO   COUNT(*)
---------- ----------
        30          6
        20          5
        10          3
```

5) Display the total salary of employees specific to job and department in ascending order of job.

```
Run SQL Command Line
SQL> SELECT JOB, DEPTNO, SUM(SAL) FROM MOKSHI_EMP
  2  GROUP BY JOB,DEPTNO
  3  ORDER BY JOB;

JOB           DEPTNO   SUM(SAL)
--------- ---------- ----------
ANALYST           20       6000
CLERK             10       1300
CLERK             20       1900
CLERK             30        950
MANAGER           10       2450
MANAGER           20       2975
MANAGER           30       2850
PRESIDENT         10       5000
SALESMAN          30       5600

9 rows selected.
```

6) Display the total salary of the employees specific to job when employee count is greater than 1.

```
Run SQL Command Line
SQL> SELECT SUM(SAL),COUNT(JOB) FROM MOKSHI_EMP
  2  GROUP BY JOB
  3  HAVING COUNT(JOB)>1;

  SUM(SAL) COUNT(JOB)
---------- ----------
      4150          4
      5600          4
      8275          3
      6000          2
```

7) Display unique jobs of employees.

```
Run SQL Command Line
SQL> SELECT DISTINCT JOB
  2  FROM MOKSHI_EMP;

JOB
---------
CLERK
SALESMAN
PRESIDENT
MANAGER
ANALYST
```