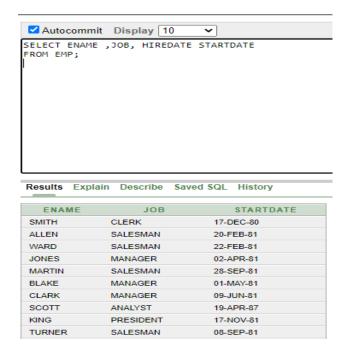# DATA BASE LAB Task 2
Practice 1

1.The HR department wants a query to display the ename, job, hiredate, and empno for each employee, with empno appearing first. Provide an alias "STARTDATE" for the HIREDATE column.
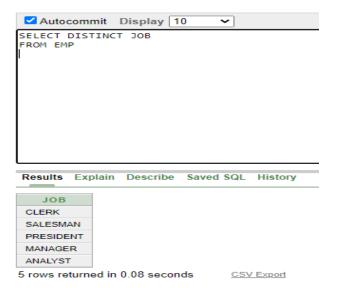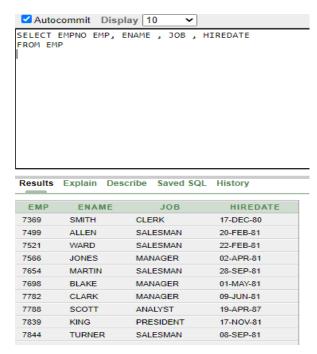
CREATING TABLE:

Home > SQL > SQL Commands

☑ Autocommit Display 10 ▾

```
CREATE TABLE EMP1
(
EMPNO INT,
ENAME VARCHAR (255),
JOB VARCHAR (255),
HIREDATE INT
);
```

Results   Explain   Describe   Saved SQL   History

Table created.

0.94 seconds

SHOWING THE DATATABLE:

☑ Autocommit Display 10 ▾

```
SELECT ENAME ,JOB, HIREDATE STARTDATE
FROM EMP;
```

Results   Explain   Describe   Saved SQL   History

ENAME	JOB	STARTDATE
SMITH	CLERK	17-DEC-80
ALLEN	SALESMAN	20-FEB-81
WARD	SALESMAN	22-FEB-81
JONES	MANAGER	02-APR-81
MARTIN	SALESMAN	28-SEP-81
BLAKE	MANAGER	01-MAY-81
CLARK	MANAGER	09-JUN-81
SCOTT	ANALYST	19-APR-87
KING	PRESIDENT	17-NOV-81
TURNER	SALESMAN	08-SEP-81

2.The HR department needs a query to display all unique job from the
EMPLOYEES table

```
Autocommit   Display  10       ▼
SELECT DISTINCT JOB
FROM EMP
|
```

Results   Explain   Describe   Saved SQL   History

JOB
CLERK
SALESMAN
PRESIDENT
MANAGER
ANALYST

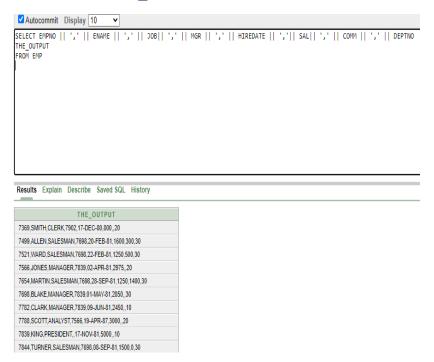5 rows returned in 0.08 seconds   CSV Export

3.   The HR department wants more descriptive column headings for its report
on employees. Name the column headings Emp # for empno, Employee for
ename, Job for JOB, and Hire Date for HIREDATE, respectively. Then run your
query again

```
Autocommit   Display  10       ▼
SELECT EMPNO EMP, ENAME , JOB , HIREDATE
FROM EMP
|
```

Results Explain Describe Saved SQL History

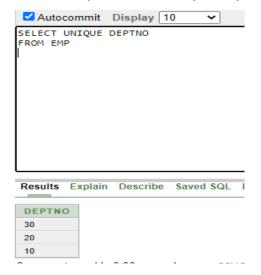| EMP	ENAME	JOB	HIREDATE
7369	SMITH	CLERK	17-DEC-80
7499	ALLEN	SALESMAN	20-FEB-81
7521	WARD	SALESMAN	22-FEB-81
7566	JONES	MANAGER	02-APR-81
7654	MARTIN	SALESMAN	28-SEP-81
7698	BLAKE	MANAGER	01-MAY-81
7782	CLARK	MANAGER	09-JUN-81
7788	SCOTT	ANALYST	19-APR-87
7839	KING	PRESIDENT	17-NOV-81
7844	TURNER	SALESMAN	08-SEP-81

4.The HR department has requested a report of all employees and their salary. Display the ename concatenated with the salary (separated by a comma and space) and name the column Employee and Title.

```
SELECT ENAME EMPLOYEE, SAL TITLE
FROM EMP
```

Results Explain Describe Saved SQL History

EMPLOYEE	TITLE
SMITH	800
ALLEN	1600
WARD	1250
JONES	2975
MARTIN	1250
BLAKE	2850
CLARK	2450
SCOTT	3000
KING	5000
TURNER	1500

5.To familiarize yourself with the data in the EMP table, create a query to display all the data from that table. Separate each column output by a comma. Name the column title THE_OUTPUT.

```
SELECT EMPNO || ',' || ENAME || ',' || JOB|| ',' || MGR || ',' || HIREDATE || ','|| SAL|| ',' || COMM || ',' || DEPTNO
THE_OUTPUT
FROM EMP
```

Results Explain Describe Saved SQL History

THE_OUTPUT
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
7566,JONES,MANAGER,7839,02-APR-81,2975,,20
7654,MARTIN,SALESMAN,7698,28-SEP-81,1250,1400,30
7698,BLAKE,MANAGER,7839,01-MAY-81,2850,,30
7782,CLARK,MANAGER,7839,09-JUN-81,2450,,10
7788,SCOTT,ANALYST,7566,19-APR-87,3000,,20
7839,KING,PRESIDENT,,17-NOV-81,5000,,10
7844,TURNER,SALESMAN,7698,08-SEP-81,1500,0,30

6. List the deptno from emp uniquely.

```
Autocommit   Display 10        v
SELECT UNIQUE DEPTNO
FROM EMP
```

Results   Explain   Describe   Saved SQL

DEPTNO
30
20
10

7. Show the information of all employees like "SMITH go salary $ 800".

```
SELECT ENAME,SAL
FROM EMP
WHERE SAL>800
```

Results   Explain   Describe   Saved SQL   History

ENAME	SAL
ALLEN	1600
WARD	1250
JONES	2975
MARTIN	1250
BLAKE	2850
CLARK	2450
SCOTT	3000
KING	5000
TURNER	1500
ADAMS	1100

More than 10 rows available. Increase rows selector to view more rows.

8. Check whether all the empno are indeed unique.

```
SELECT empno, count(*)
FROM emp
GROUP BY empno;
```

Results   Explain   Describe   Saved SQL   History

EMPNO	COUNT(*)
7369	1
7499	1
7521	1
7566	1
7654	1
7698	1
7782	1
7788	1
7839	1
7844	1

9. List "Annual salary" for all employee use column aliasing.

```
SELECT ENAME,SAL*12 "ANNAUL SALARY"
FROM EMP
```

Results   Explain   Describe   Saved SQL   History

ENAME	ANNAUL SALARY
SMITH	9600
ALLEN	19200
WARD	15000
JONES	35700
MARTIN	15000
BLAKE	34200
CLARK	29400
SCOTT	36000
KING	60000
TURNER	18000

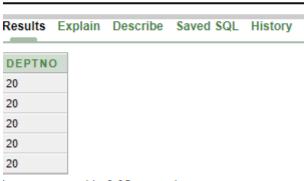More than 10 rows available. Increase rows selector to view more rows

10.List the information for all employee whose job is either MANAGER or ANALYST.

```
SELECT ENAME , JOB
FROM EMP
WHERE JOB='MANAGER' OR JOB='ANALYST'
```

ENAME	JOB
JONES	MANAGER
BLAKE	MANAGER
CLARK	MANAGER
SCOTT	ANALYST
FORD	ANALYST

5 rows returned in 0.00 seconds   CSV Export

11.List the department name whose department no is 20.

```
SELECT DEPTNO
FROM EMP
WHERE DEPTNO = 20
```

DEPTNO
20
20
20
20
20

5 rows returned in 0.02 seconds   CSV Export