Name: Prachi Singhroha **Roll No.:** 101903545 **Batch:** 2CO21

Lab Assignment–6

Q1) Check the structure of tables.

For table emp:

Statement:

DESC emp;

Output:

TABLE EMP

Column	Null?	Type
EMPNO	NOT NULL	NUMBER
ENAME	-	VARCHAR2(20)
JOB	-	VARCHAR2(35)
SAL	NOT NULL	NUMBER
DEPTNO	-	NUMBER

Download CSV

For table dept:

Statement:

DESC dept;

Output:

TABLE DEPT

Column	Null?	Type
DEPNO	NOT NULL	NUMBER
DNAME	-	VARCHAR2(5)

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For table S:

Statement:

DESC S;

Output:

TABLE S

Column	Null?	Type
SNO	NOT NULL	NUMBER
SNAME	-	VARCHAR2(30)
CITY	-	VARCHAR2(20)

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For table P:

Statement:

DESC P;

Output:

TABLE P

Column	Null?	Type
PNO	NOT NULL	NUMBER
PNAME	-	VARCHAR2(30)
COLOR	-	VARCHAR2(20)

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For table J:

Statement:

DESC J;

Output:

TABLE J

Column	Null?	Type
JNO	NOT NULL	NUMBER
JNAME	-	VARCHAR2(30)
CITY	-	VARCHAR2(20)

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For table SPJ:

Statement:

DESC SPJ;

Output:

TABLE SPJ

Column	Null?	Type
SNO	NOT NULL	NUMBER
PNO	NOT NULL	NUMBER
JNO	NOT NULL	NUMBER
QTY	-	NUMBER

Q2) Check the constraint name for applied constraints?

For table emp:

Statement:

SELECT constraint_name, constraint_type from user_constraints where table_name = 'EMP';

Output:

CONSTRAINT_NAME	CONSTRAINT_TYPE
SYS_C0054677144	U
SYS_C0054669706	C
SYS_C0054669707	C
SYS_C0054669708	P

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For table dept:

Statement:

SELECT constraint_name, constraint_type from user_constraints where table_name = 'DEPT';

Output:

CONSTRAINT_NAME	CONSTRAINT_TYPE
SYS_C0054669715	C
SYS_C0054669716	P

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For table S:

Statement:

SELECT constraint_name, constraint_type from user_constraints where table_name = 'S';

Output:

CONSTRAINT_NAME	CONSTRAINT_TYPE
SYS_C0054669718	P

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For table P:

Statement:

SELECT constraint_name, constraint_type from user_constraints where table_name = 'P';

Output:

CONSTRAINT_NAME	CONSTRAINT_TYPE
SYS_C0054669718	P

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For table J:

Statement:

SELECT constraint_name, constraint_type from user_constraints where table_name = 'J';

Output:

CONSTRAINT_NAME	CONSTRAINT_TYPE
SYS_C0054669718	P

Download CSV

For table SPJ:

Statement:

SELECT constraint_name, constraint_type from user_constraints where table_name = 'SPJ';

Output:

CONSTRAINT_NAME	CONSTRAINT_TYPE
SYS_C0054669724	P
SYS_C0054669725	R
SYS_C0054669726	R
SYS_C0054669727	R

Download CSV

Q3) Drop the unique constraint on ENAME

Statement:

ALTER TABLE emp DROP UNIQUE (ename);

SELECT constraint_name, constraint_type from user_constraints where table_name = 'EMP';

Output:

```
Table altered.
```

CONSTRAINT_NAME	CONSTRAINT_TYPE
SYS_C0054669706	C
SYS_C0054669707	C
SYS_C0054669708	P

Download CSV

Q4) Drop the Foreign Key constraint on DEPTNO

Statement:

ALTER TABLE emp DROP constraint fk;

SELECT constraint_name, constraint_type from user_constraints where table_name = 'EMP';

Output:

```
Table altered.
```

CONSTRAINT_NAME	CONSTRAINT_TYPE
SYS_C0054669706	C
SYS_C0054669707	C
SYS_C0054669708	P

Download CSV

Q5) Add Foreign Key constraint on DEPTNO

Statement:

ALTER TABLE emp ADD CONSTRAINT fk foreign key(deptno) REFERENCES dept(depno);

SELECT constraint_name, constraint_type from user_constraints where table_name = 'EMP';

Output:

```
Table altered.
```

CONSTRAINT_NAME	CONSTRAINT_TYPE
SYS_C0054677736	R
SYS_C0054669706	C
SYS_C0054669707	C
SYS_C0054669708	P

Download CSV

Q6) Change Data type of ENAME

Statement:

```
ALTER TABLE emp MODIFY ename char(30);

DESCRIBE emp;
```

Output:

```
Table altered.
```

TABLE EMP

Column	Null?	Type
EMPNO	NOT NULL	NUMBER
ENAME	-	CHAR(30)
JOB	-	VARCHAR2(35)
SAL	NOT NULL	NUMBER
DEPTNO	-	NUMBER

Download CSV

Q7) Change width of DNAME

Statement:

```
ALTER TABLE dept MODIFY dname char(40);

DESC dept;
```

Output:

```
Table altered.
```

TABLE DEPT

Column	Null?	Type
DEPNO	NOT NULL	NUMBER
DNAME	-	CHAR(40)

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Q8) Add COMM column in EMP table

Statement:

```
ALTER TABLE emp ADD COMM INT;

DESC emp;
```

Output:

```
Table altered.
```

TABLE EMP

Column	Null?	Type
EMPNO	NOT NULL	NUMBER
ENAME	-	CHAR(30)
JOB	-	VARCHAR2(35)
SAL	NOT NULL	NUMBER
DEPTNO	-	NUMBER
COMM	-	NUMBER

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Q9) Drop CITY column from J table

Statement:

```
ALTER TABLE J DROP COLUMN city;

DESC J;
```

Output:

```
Table altered.
```

TABLE J

Column	Null?	Type
JNO	NOT NULL	NUMBER
JNAME	-	VARCHAR2(30)

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Q10) Create duplicate copy of EMP table

Statement:

```
CREATE TABLE employee AS SELECT * FROM emp;

desc employee;
```

Output:

```
Table created.
```

TABLE EMPLOYEE

Column	Null?	Type
EMPNO	-	NUMBER
ENAME	-	CHAR(30)
JOB	-	VARCHAR2(35)
SAL	NOT NULL	NUMBER
DEPTNO	-	NUMBER
COMM	-	NUMBER

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Name: Prachi Singhroha **Roll No.:** 101903545 **Batch:** 2CO21

Q11) Copy structure of DEPT table in another table with different column names

Statement:

CREATE TABLE section(sno, sname) as select * from dept;

DESC section;

Output:

```
Table created.
```

TABLE SECTION

Column	Null?	Type
SNO	-	NUMBER
SNAME	-	CHAR(40)

Q12) Change the name and job of the employee whose EMPNO =100

Statement:

UPDATE emp set ename = 'Rishab', job = 'Lect' where empno = 100;

SELECT * from emp;

Output:

```
1 row(s) updated.
```

EMPNO	ENAME	JOB	SAL	DEPTNO	COMM
100	Rishab	Lect	10000	3	90
101	Prachi	Prof	20000	3	-
102	Ruhi	AP	24000	2	-
103	Tanya	Lect	11000	1	-

Download CSV

Q13) Delete the record of employee who belong to computer department

Statement:

```
DELETE FROM emp
WHERE EXISTS
 (SELECT *
  FROM dept
  WHERE dept.depno = emp.deptno
  AND dept.dname = 'comp');
DESC emp;
```

Output:

EMPNO	ENAME	JOB	SAL	DEPTNO
101	Prachi	Prof	20000	3
103	Tanya	Lect	11000	1

Download CSV

Q14) Drop DEPT Table

Statement:

```
DROP table dept;
```

Output:

```
Table dropped.
```

Q15) Drop duplicate table of EMP table

Statement:

drop table employee;

Output:

```
Table dropped.
```