

18CSC303J – Database Management System
Experiment 1

Shushrut Kumar (RA1811028010049)

1] Create a table called EMP with the following structure.

Name Type

Emp no number(6)
Ename varchar2(20)
JOB varchar2(10)
Dept No Number(3)
Sal number (7)

Query:

```
create table RA1811028010049("Emp No" number(6), "Ename" varchar2(20), "Job"  
varchar2(10), "Dept No" number(3), "Sal" number(7));  
desc RA1811028010049;
```

<i>fx</i>	Column			
	A	B	C	
1	Column	Null?	Type	
2	Emp No	-	NUMBER(6,0)	
3	Ename	-	VARCHAR2(20)	
4	Job	-	VARCHAR2(10)	
5	Dept No	-	NUMBER(3,0)	
6	Sal	-	NUMBER(7,0)	
7				

2] Add a column experience to the emp table . Experience numeric null allowed.

Query:

```
alter table RA1811028010049 add(Experience number(2));  
desc RA1811028010049;
```

fx Column				
	A	B	C	
1	Column	Null?	Type	
2	Emp No	-	NUMBER(6,0)	
3	Ename	-	VARCHAR2(20)	
4	Job	-	VARCHAR2(10)	
5	Dept No	-	NUMBER(3,0)	
6	Sal	-	NUMBER(7,0)	
7	EXPERIENCE	-	NUMBER(2,0)	
8				

3] drop a column experience to the emp table.

Query:

```
alter table RA1811028010049 drop column Experience;  
desc RA1811028010049;
```

fx Column				
	A	B	C	
1	Column	Null?	Type	
2	Emp No	-	NUMBER(6,0)	
3	Ename	-	VARCHAR2(20)	
4	Job	-	VARCHAR2(10)	
5	Dept No	-	NUMBER(3,0)	
6	Sal	-	NUMBER(7,0)	
7				

4] insert atleast five values for each coulumn of EMP table.

Query:

```
INSERT INTO RA1811028010049
VALUES
(1, 'Shushrut', 'Student', 001, 100000);
INSERT INTO RA1811028010049
VALUES
(2, 'Viren', 'Engineer', 010, 7000);
INSERT INTO RA1811028010049
VALUES
(3, 'Sachin', 'Economist', 100, 60000);
INSERT INTO RA1811028010049
VALUES
(4, 'Vidhi', 'Journalist', 101, 90000);
INSERT INTO RA1811028010049
VALUES
(5, 'Parma', 'Developer', 110, 54000);
select * from RA1811028010049;
```

Emp No	Ename	Job	Dept No	Sal
1	Shushrut	Student	1	100000
2	Viren	Engineer	10	7000
3	Sachin	Economist	100	60000
4	Vidhi	Journalist	101	90000
5	Parma	Developer	110	54000

[Download CSV](#)

5 rows selected.

5] Update the dept no to 1 whose salary are greater than 50000.

Query:

```
UPDATE RA1811028010049 SET "Dept No"=1 WHERE "Sal">50000;  
select * from RA1811028010049;
```

Emp No	Ename	Job	Dept No	Sal
1	Shushrut	Student	1	100000
2	Viren	Engineer	10	7000
3	Sachin	Economist	100	60000
4	Vidhi	Journalist	101	90000
5	Parma	Developer	110	54000

[Download CSV](#)

5 rows selected.

6] Select the ename from emp table where the empno =101.

Query:

```
SELECT "Ename" FROM RA1811028010049 WHERE "Emp No"=1;
```

Ename
Shushrut

[Download CSV](#)

7] Create dept table with the following structure.

Name Type

Dept no number(3)

Dname varchar2(10)

LOC varchar2(10)

EMPNO number(6)

Query:

```
create table Dept("Dept No" number(3), Dname varchar2(10), LOC varchar2(10), EMPNO  
number(6));
```

```
desc Dept;
```

TABLE DEPT

Column	Null?	Type
Dept No	-	NUMBER(3,0)
DNAME	-	VARCHAR2(10)
LOC	-	VARCHAR2(10)
EMPNO	-	NUMBER(6,0)

[Download CSV](#)

4 rows selected.

8] insert atleast five values for each coulumn of dept table.

Query:

```
INSERT INTO Dept
```

```
VALUES
```

```
(101, 'CSE', 'Delhi', 222220);
```

```
INSERT INTO Dept
```

```
VALUES
```

```
(102, 'ECE', 'Chennai', 222221);
```

```
INSERT INTO Dept
```

```
VALUES
```

```
(103, 'Mech', 'Kolkata', 222223);
```

```
INSERT INTO Dept
```

```
VALUES
(104, 'Civil', 'Mumbai', 222224);
INSERT INTO Dept
VALUES
(105, 'Bio Tech', 'Jaipur', 222225);
select * from Dept;
```

Dept No	DNAME	LOC	EMPNO
102	ECE	Chennai	222221
105	Bio Tech	Jaipur	222225
101	CSE	Delhi	222220
103	Mech	Kolkata	222223
104	Civil	Mumbai	222224

[Download CSV](#)
5 rows selected.

9] select all the records have dept no=101.

Query:

```
SELECT * FROM Dept WHERE "Dept No"=101;
```

Dept No	DNAME	LOC	EMPNO
101	CSE	Delhi	222220

[Download CSV](#)

10] Update the deptno=1 whose dept is CSE.

Query:

```
UPDATE Dept SET "Dept No"=1 WHERE "DNAME"='CSE';  
select * from Dept;
```

Dept No	DNAME	LOC	EMPNO
102	ECE	Chennai	222221
105	Bio Tech	Jaipur	222225
1	CSE	Delhi	222220
103	Mech	Kolkata	222223
104	Civil	Mumbai	222224

Download CSV

5 rows selected.

11] Truncate the emp table and drop the dept table.

Query:

```
truncate table RA1811028010049;  
drop table Dept;
```

SQL Worksheet

```
1 truncate table RA1811028010049;  
2 drop table Dept;  
3  
4  
5  
6  
7  
8  
9  
10
```

Table truncated.

Table dropped.