Name: Samriddhi Verma
Reg. No:16bce1375
Date: 3rd December,2018

VIT®

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Programme	:	**B.Tech - CSE**	Semester	:	**Winter 18 - 19**
Course	:	**Database Management Systems (Embedded Lab)**	Code	:	**CSE2004**
Faculty	:	**Prof. R. Gayathri** **Prof. M. Premalatha**	Slot	:	**L3 + L4**

Ex. No. 1

SQL Basics

1) Create table:

SQL> create table student(regno number(10), sname varchar(10),dob date);

Table created.

2) Descibe table:

SQL> desc student
 Name   Null?   Type
 -- -------- -------------------------

 REGNO   NUMBER(10)
 SNAME   VARCHAR2(10)
 DOB   DATE

3) Alter table:

 SQL> alter table student add cgpa number(3,1);

Table altered.

SQL> desc student
 Name   Null?   Type
 -- -------- --------------------------

 REGNO   NUMBER(10)
 SNAME   VARCHAR2(10)
 DOB   DATE

Name: Samriddhi Verma
Reg. No:16bce1375
Date: 3rd December,2018
 CGPA   NUMBER(3,1)

SQL> alter table student modify regno varchar(10);

Table altered.

SQL> desc student
 Name   Null?   Type
 -- -------- ------------------------

 REGNO   VARCHAR2(10)
 SNAME   VARCHAR2(10)
 DOB   DATE
 CGPA   NUMBER(3,1)

SQL> alter table student modify regno varchar(8);

Table altered.

SQL> desc student
 Name   Null?   Type
 -- -------- ---------------------

 REGNO   VARCHAR2(8)
 SNAME   VARCHAR2(10)
 DOB   DATE
 CGPA   NUMBER(3,1)

SQL> alter table student drop column cgpa;

Table altered.

SQL> desc student
 Name   Null?   Type
 -- -------- ----------------

 REGNO   VARCHAR2(8)
 SNAME   VARCHAR2(10)
 DOB   DATE

Name: Samriddhi Verma
Reg. No:16bce1375
Date: 3rd December,2018

4) Inserting values into the table:

SQL> insert into student values('16bce137','Sam','16-Sep-1997');

1 row created.

SQL> select * from student;

REGNO   SNAME   DOB
-------- ---------- ---------
16bce137 Sam   16-SEP-97

SQL> insert into student values('17bce101','Sid','15-Feb-1999');

1 row created.

SQL> select * from student;

REGNO   SNAME   DOB
-------- ---------- ---------
16bce137 Sam   16-SEP-97
17bce101 Sid   15-FEB-99

SQL> insert into student values('16bce138','Raj','08-Mar-1997');

1 row created.

SQL> select * from student;

REGNO   SNAME   DOB
-------- ---------- ---------
16bce137 Sam   16-SEP-97
17bce101 Sid   15-FEB-99
16bce138 Raj   08-MAR-97

Name: Samriddhi Verma
Reg. No:16bce1375
Date: 3rd December,2018

5) **Create a table from an existing table:**

SQL> create table student1 as select * from student;

Table created.

SQL> desc student1
```
 Name                                    Null?   Type
 ---------------------------------------- -------- ---------------------

 REGNO                                            VARCHAR2(8)
 SNAME                                            CHAR(10)
 DOB                                              DATE
```

6) **Truncating a table:**

SQL> truncate table student1;

Table truncated.

SQL> desc student1
```
 Name                                    Null?   Type
 ---------------------------------------- -------- ----------------------

 REGNO                                            VARCHAR2(8)
 SNAME                                            CHAR(10)
 DOB                                              DATE
```

SQL> select * from student1;

no rows selected

7) **Dropping a table:**

SQL> drop table student1;

Table dropped.

SQL> select * from student1;
```
select * from student1
       *
ERROR at line 1:
ORA-00942: table or view does not exist
```