

Microsoft Windows [Version 10.0.19045.2486]  
(c) Microsoft Corporation. All rights reserved.

C:\Users\Vishnu>sqlplus

SQL\*Plus: Release 10.2.0.1.0 - Production on Mon Jan 16 10:10:50 2023

Copyright (c) 1982, 2005, Oracle. All rights reserved.

Enter user-name: scott

Enter password:

Connected to:

Oracle Database 10g Enterprise Edition Release 10.2.0.1.0 - Production

With the Partitioning, OLAP and Data Mining options

SQL> CREATE TABLE student(rollNo varchar(9), name varchar(30), degree varchar(5), year number(2,0), sex varchar(1), deptNo number(2,0),advisor varchar(30));

Table created.

SQL> CREATE TABLE department(deptId varchar(9), name varchar(30), hod varchar(30), phone varchar(10));

Table created.

SQL> CREATE TABLE professor(empId varchar(9), name varchar(30), sex varchar(1), startYear DATE, deptNo number(2,0), phone varchar(10));

Table created.

SQL> CREATE TABLE course(courseId varchar(9), cname varchar(30), credits number(2,0), deptNo number(2,0));

Table created.

SQL> CREATE TABLE enrollment(rollNo varchar(9), courseId varchar(9), sem varchar(6), year number(2,0), grade varchar(2));

Table created.

SQL> CREATE TABLE teaching(empId varchar(9), courseId varchar(9), sem varchar(6), year number(2,0), classRoom varchar(10));

Table created.

SQL> CREATE TABLE preRequisite(preCourseId varchar(9), courseId varchar(9));

Table created.

SQL> ALTER TABLE student  
2 MODIFY year number;

Table altered.

SQL> ALTER TABLE professor

Table created.

```
SQL> ALTER TABLE student
2 MODIFY year number;
```

Table altered.

```
SQL> ALTER TABLE professor
2 MODIFY startYear number;
```

Table altered.

```
SQL> ALTER TABLE enrollment
2 MODIFY year number;
```

Table altered.

```
SQL> ALTER TABLE teaching
2 MODIFY year number;
```

Table altered.

```
SQL> INSERT ALL
2 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("CS21B2037","Vishnu","BTech",2021,"M",2,"Dr.R.Preet")
3 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("CS22B2026","Abhiram","BTech",2022,"M",2,"Dr.R.Preet")
4 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("CS20B1081","Sujan","BTech",2020,"M",1,"Dr.Santhana Raghavan")
5 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("EC21B2030","Sai Kiran","BTech",2021,"M",3,"Dr.Ram Prasad Padhy")
6 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("ME19B2018","Abhishek","BTech",2019,"M",4,"Dr.R.Preet")
7 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("EC22B2019","Siddesh","BTech",2022,"M",3,"Dr.Ram Prasad Padhy")
8 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("ME20B1061","Kashyap","BTech",2020,"M",4,"Dr.R.Preet")
9 SELECT 1 FROM dual;
   INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("ME20B1061","Kashyap","BTech",2020,"M",4,"Dr.R.Preet")
   *
```

ERROR at line 8:  
ORA-00904: "Dr.R.Preet": invalid identifier

```
SQL> INSERT ALL
2 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("CS21B2037","Vishnu","BTech",2021,"M",2,"Dr.R.Preet")
3 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("CS22B2026","Abhiram","BTech",2022,"M",2,"Dr.R.Preet")
4 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("CS20B1081","Sujan","BTech",2020,"M",1,"Dr.Santhana Raghavan")
5 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("EC21B2030","Sai Kiran","BTech",2021,"M",3,"Dr.Ram Prasad Padhy")
6 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("ME19B2018","Abhishek","BTech",2019,"M",4,"Dr.R.Preet")
7 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("EC22B2019","Siddesh","BTech",2022,"M",3,"Dr.Ram Prasad Padhy")
8 INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("ME20B1061","Kashyap","BTech",2020,"M",4,"Dr.R.Preet")
9 SELECT 1 FROM dual;
   INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES("ME20B1061","Kashyap","BTech",2020,"M",4,"Dr.R.Preet")
   *
```

ERROR at line 8:  
ORA-00904: "Dr.R.Preet": invalid identifier

```
SQL> INSERT ALL
2      INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES('CS21B2037','Vishnu','BTech',2021,'M',2,'Dr.R.Preet')
3      INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES('CS22B2026','Abhiram','BTech',2022,'M',2,'Dr.R.Preet')
4      INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES('CS20B1081','Sujan','BTech',2020,'M',1,'Dr.Santhana Raghavan')
5      INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES('EC21B2030','Sai Kiran','BTech',2021,'M',3,'Dr.Ram Prasad Padhy')
6      INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES('ME19B2018','Abhishek','BTech',2019,'M',4,'Dr.R.Preet')
7      INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES('EC22B2019','Siddesh','BTech',2022,'M',3,'Dr.Ram Prasad Padhy')
8      INTO student(rollNo, name, degree, year, sex, deptNo, advisor) VALUES('ME20B1061','Kashyap','BTech',2020,'M',4,'Dr.R.Preet')
9  SELECT 1 FROM dual;
```

7 rows created.

```
SQL> INSERT ALL
2      INTO department(deptId, name, hod, phone) VALUES('1','CSE', 'Dr.V.Masilamani','4204204204')
3      INTO department(deptId, name, hod, phone) VALUES('2','CS-AI', 'Dr.Ram Prasad Padhy','2102102102')
4      INTO department(deptId, name, hod, phone) VALUES('3','ECE', 'Dr.Santhana Raghavan','6969696969')
5      INTO department(deptId, name, hod, phone) VALUES('4','Mech', 'Dr.Timmaraju','1111111111')
6      INTO department(deptId, name, hod, phone) VALUES('5','Design', 'Dr.Sudhir Varadarajan','0000000000')
7      INTO department(deptId, name, hod, phone) VALUES('6','PET', 'Alagaraj','9889988998')
8      INTO department(deptId, name, hod, phone) VALUES('7','English', 'Dr.Parvaty Das','8998899889')
9  SELECT 1 FROM dual;
```

7 rows created.

```
SQL> INSERT ALL
2      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('001','Dr.V.Masilamani','M',2011,1,'4204204204')
3      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('002','Dr.Ram Prasad Padhy','M',2015,2,'2102102102')
4      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('003','Dr.Santhana Raghavan','M',2015,3,'6969696969')
5      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('004','Dr.Timmaraju','M',2012,4,'1111111111')
6      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('005','Dr.Nachiketa Mishra','M',2018,5,'0000000000')
7      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('006','Dr.Jagadeesh Kakarla','M',2015,6,'9889988998')
8      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('007','Dr.R.Preeth',2016,7,'8998899889')
9  SELECT 1 FROM dual;
      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('007','Dr.R.Preeth',2016,7,'8998899889')
      *
```

ERROR at line 8:  
ORA-00947: not enough values

```
SQL> INSERT ALL
2      INTO course(courseId, cname, credits, deptNo) VALUES('CS2008','DBMS',4,1)
3      INTO course(courseId, cname, credits, deptNo) VALUES('AI1001','AI',4,2)
4      INTO course(courseId, cname, credits, deptNo) VALUES('MA2000','OTML',4,1)
5      INTO course(courseId, cname, credits, deptNo) VALUES('CS2003','DSD',4,1)
6      INTO course(courseId, cname, credits, deptNo) VALUES('EC2001','DIP',4,3)
7      INTO course(courseId, cname, credits, deptNo) VALUES('ME1001','MECHANICS',4,4)
8      INTO course(courseId, cname, credits, deptNo) VALUES('CS2002','ML',4,1)
9  SELECT 1 FROM dual;
```



```
SQL> INSERT ALL
2      INTO enrollment(rollNo, courseId, sem, year, grade) VALUES('CS21B2037','CS2008','IV',2023,'S')
3      INTO enrollment(rollNo, courseId, sem, year, grade) VALUES('CS21B2037','AI1001','IV',2023,'S')
4      INTO enrollment(rollNo, courseId, sem, year, grade) VALUES('CS21B2037','MA2000','IV',2023,'A')
5      INTO enrollment(rollNo, courseId, sem, year, grade) VALUES('CS21B2037','CS2003','IV',2023,'S')
6      INTO enrollment(rollNo, courseId, sem, year, grade) VALUES('CS21B2037','EC2001','IV',2023,'B')
7      INTO enrollment(rollNo, courseId, sem, year, grade) VALUES('CS21B2037','ME1001','IV',2023,'A')
8      INTO enrollment(rollNo, courseId, sem, year, grade) VALUES('CS21B2037','CS2002','IV',2023,'S')
9  SELECT 1 FROM dual;
```

7 rows created.

```
SQL> INSERT ALL
2      INTO teaching(empId, courseId, sem, year, classRoom) VALUES('001','EC2001','VI',2023,'H01')
3      INTO teaching(empId, courseId, sem, year, classRoom) VALUES('002','AI1001','IV',2023,'H05')
4      INTO teaching(empId, courseId, sem, year, classRoom) VALUES('003','CS2003','III',2023,'H12')
5      INTO teaching(empId, courseId, sem, year, classRoom) VALUES('004','ME1001','II',2023,'H03')
6      INTO teaching(empId, courseId, sem, year, classRoom) VALUES('005','MA2000','III',2023,'H04')
7      INTO teaching(empId, courseId, sem, year, classRoom) VALUES('006','CS2008','IV',2023,'H11')
8      INTO teaching(empId, courseId, sem, year, classRoom) VALUES('007','CS2002','IV',2023,'H10')
9  SELECT 1 FROM dual;
```

7 rows created.

```
SQL> INSERT ALL
2      INTO preRequisite(preCourseId, courseId) VALUES('NOT REQUIRED','CS2008')
3      INTO preRequisite(preCourseId, courseId) VALUES('NOT REQUIRED','AI1001')
4      INTO preRequisite(preCourseId, courseId) VALUES('NOT REQUIRED','MA2000')
5      INTO preRequisite(preCourseId, courseId) VALUES('NOT REQUIRED','CS2003')
6      INTO preRequisite(preCourseId, courseId) VALUES('CS2003','EC2001')
7      INTO preRequisite(preCourseId, courseId) VALUES('NOT REQUIRED','ME1001')
8      INTO preRequisite(preCourseId, courseId) VALUES('AI1001','CS2002')
9  SELECT 1 FROM dual;
      INTO preRequisite(preCourseId, courseId) VALUES('NOT REQUIRED','CS2008')
                                         *
```

ERROR at line 2:  
ORA-12899: value too large for column "SCOTT"."PREREQUISITE"."PRECOURSEID"  
(actual: 12, maximum: 9)

```
SQL> INSERT ALL
2      INTO preRequisite(preCourseId, courseId) VALUES('NONE','CS2008')
3      INTO preRequisite(preCourseId, courseId) VALUES('NONE','AI1001')
4      INTO preRequisite(preCourseId, courseId) VALUES('NONE','MA2000')
5      INTO preRequisite(preCourseId, courseId) VALUES('NONE','CS2003')
6      INTO preRequisite(preCourseId, courseId) VALUES('CS2003','EC2001')
7      INTO preRequisite(preCourseId, courseId) VALUES('NONE','ME1001')
8      INTO preRequisite(preCourseId, courseId) VALUES('AI1001','CS2002')
9  SELECT 1 FROM dual;
```

7 rows created.

SQL> SELECT \* FROM student;

ROLLNO	NAME	DEGRE	YEAR	S	DEPTNO
-----					
ADVISOR					
-----					
CS21B2037	Vishnu	BTech	2021	M	2
Dr.R.Preet					
CS22B2026	Abhiram	BTech	2022	M	2
Dr.R.Preet					
CS20B1081	Sujan	BTech	2020	M	1
Dr.Santhana Raghavan					

ROLLNO	NAME	DEGRE	YEAR	S	DEPTNO
-----					
ADVISOR					
-----					
EC21B2030	Sai Kiran	BTech	2021	M	3
Dr.Ram Prasad Padhy					
ME19B2018	Abhishek	BTech	2019	M	4
Dr.R.Preet					
EC22B2019	Siddesh	BTech	2022	M	3
Dr.Ram Prasad Padhy					

ROLLNO	NAME	DEGRE	YEAR	S	DEPTNO
-----					
ADVISOR					
-----					
ME20B1061	Kashyap	BTech	2020	M	4
Dr.R.Preet					

7 rows selected.

SQL> SELECT \* FROM department;

DEPTID	NAME	HOD
-----		
PHONE		
-----		
1	CSE	Dr.V.Masilamani
4204204204		

7 rows selected.

SQL> SELECT \* FROM department;

DEPTID	NAME	HOD
1	CSE	Dr.V.Masilamani
2	CS-AI	Dr.Ram Prasad Padhy
3	ECE	Dr.Santhana Raghavan
4	Mech	Dr.Timmaraju
5	Design	Dr.Sudhir Varadarajan
6	PET	Alagaraj
7	English	Dr.Parvaty Das

PHONE

4204204204

2102102102

6969696969

DEPTID	NAME	HOD
4	Mech	Dr.Timmaraju
5	Design	Dr.Sudhir Varadarajan
6	PET	Alagaraj
7	English	Dr.Parvaty Das

PHONE

1111111111

0000000000

9889988998

DEPTID	NAME	HOD
7	English	Dr.Parvaty Das

PHONE

8998899889

7 rows selected.

SQL> SELECT \* FROM professor;

no rows selected

SQL> SELECT \* FROM course;

COURSEID	CNAME	CREDITS	DEPTNO
----------	-------	---------	--------

SQL&gt; SELECT \* FROM professor;

no rows selected

SQL&gt; SELECT \* FROM course;

COURSEID	CNAME	CREDITS	DEPTNO
CS2008	DBMS	4	1
AI1001	AI	4	2
MA2000	OTML	4	1
CS2003	DSD	4	1
EC2001	DIP	4	3
ME1001	MECHANICS	4	4
CS2002	ML	4	1

7 rows selected.

SQL&gt; SELECT \* FROM enrollment;

ROLLNO	COURSEID	SEM	YEAR	GR
CS21B2037	CS2008	IV	2023	S
CS21B2037	AI1001	IV	2023	S
CS21B2037	MA2000	IV	2023	A
CS21B2037	CS2003	IV	2023	S
CS21B2037	EC2001	IV	2023	B
CS21B2037	ME1001	IV	2023	A
CS21B2037	CS2002	IV	2023	S

7 rows selected.

SQL&gt; SELECT \* FROM teaching;

EMPID	COURSEID	SEM	YEAR	CLASSROOM
001	EC2001	VI	2023	H01
002	AI1001	IV	2023	H05
003	CS2003	III	2023	H12
004	ME1001	II	2023	H03
005	MA2000	III	2023	H04
006	CS2008	IV	2023	H11
007	CS2002	IV	2023	H10

7 rows selected.

SQL&gt; SELECT \* FROM preRequisite;

PRECOURSE COURSEID



7 rows selected.

SQL> SELECT \* FROM preRequisite;

PRECOURSE COURSEID

NONE	CS2008
NONE	AI1001
NONE	MA2000
NONE	CS2003
CS2003	EC2001
NONE	ME1001
AI1001	CS2002

7 rows selected.

SQL> SET LINESIZE 300;

SQL> SELECT \* FROM student;

ROLLNO	NAME	DEGRE	YEAR	S	DEPTNO	ADVISOR
CS21B2037	Vishnu	BTech	2021	M	2	Dr.R.Preet
CS22B2026	Abhiram	BTech	2022	M	2	Dr.R.Preet
CS20B1081	Sujan	BTech	2020	M	1	Dr.Santhana Raghavan
EC21B2030	Sai Kiran	BTech	2021	M	3	Dr.Ram Prasad Padhy
ME19B2018	Abhishek	BTech	2019	M	4	Dr.R.Preet
EC22B2019	Siddesh	BTech	2022	M	3	Dr.Ram Prasad Padhy
ME20B1061	Kashyap	BTech	2020	M	4	Dr.R.Preet

7 rows selected.

SQL> SELECT \* FROM department;

DEPTID	NAME	HOD	PHONE
1	CSE	Dr.V.Masilamani	4204204204
2	CS-AI	Dr.Ram Prasad Padhy	2102102102
3	ECE	Dr.Santhana Raghavan	6969696969
4	Mech	Dr.Timmaraju	1111111111
5	Design	Dr.Sudhir Varadarajan	0000000000
6	PET	Alagaraj	9889988998
7	English	Dr.Parvaty Das	8998899889

7 rows selected.

SQL> SELECT \* FROM professor;

no rows selected

SQL> SELECT \* FROM course;



SQL> SELECT \* FROM course;

COURSEID	CNAME	CREDITS	DEPTNO
CS2008	DBMS	4	1
AI1001	AI	4	2
MA2000	OTML	4	1
CS2003	DSD	4	1
EC2001	DIP	4	3
ME1001	MECHANICS	4	4
CS2002	ML	4	1

7 rows selected.

SQL> SELECT \* FROM enrollment;

ROLLNO	COURSEID	SEM	YEAR	GR
CS21B2037	CS2008	IV	2023	S
CS21B2037	AI1001	IV	2023	S
CS21B2037	MA2000	IV	2023	A
CS21B2037	CS2003	IV	2023	S
CS21B2037	EC2001	IV	2023	B
CS21B2037	ME1001	IV	2023	A
CS21B2037	CS2002	IV	2023	S

7 rows selected.

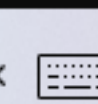
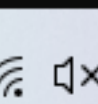
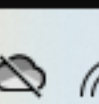
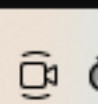
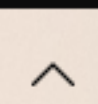
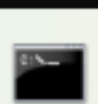
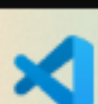
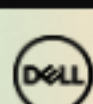
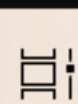
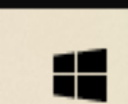
SQL> SELECT \* FROM teaching;

EMPID	COURSEID	SEM	YEAR	CLASSROOM
001	EC2001	VI	2023	H01
002	AI1001	IV	2023	H05
003	CS2003	III	2023	H12
004	ME1001	II	2023	H03
005	MA2000	III	2023	H04
006	CS2008	IV	2023	H11
007	CS2002	IV	2023	H10

7 rows selected.

SQL> SELECT \* FROM preRequisite;

PRECOURSE	COURSEID
NONE	CS2008
NONE	AI1001
NONE	MA2000



SQL> SELECT \* FROM preRequisite;

PRECOURSE COURSEID

NONE	CS2008
NONE	AI1001
NONE	MA2000
NONE	CS2003
CS2003	EC2001
NONE	ME1001
AI1001	CS2002

7 rows selected.

SQL> SET LINESIZE 300;

SQL> SELECT \* FROM student;

ROLLNO	NAME	DEGRE	YEAR S	DEPTNO	ADVISOR
CS21B2037	Vishnu	BTech	2021 M	2	Dr.R.Preet
CS22B2026	Abhiram	BTech	2022 M	2	Dr.R.Preet
CS20B1081	Sujan	BTech	2020 M	1	Dr.Santhana Raghavan
EC21B2030	Sai Kiran	BTech	2021 M	3	Dr.Ram Prasad Padhy
ME19B2018	Abhishek	BTech	2019 M	4	Dr.R.Preet
EC22B2019	Siddesh	BTech	2022 M	3	Dr.Ram Prasad Padhy
ME20B1061	Kashyap	BTech	2020 M	4	Dr.R.Preet

7 rows selected.

SQL> SELECT \* FROM department;

DEPTID	NAME	HOD	PHONE
1	CSE	Dr.V.Masilamani	4204204204
2	CS-AI	Dr.Ram Prasad Padhy	2102102102
3	ECE	Dr.Santhana Raghavan	6969696969
4	Mech	Dr.Timmaraju	1111111111
5	Design	Dr.Sudhir Varadarajan	0000000000
6	PET	Alagaraj	9889988998
7	English	Dr.Parvaty Das	8998899889

7 rows selected.

SQL> SELECT \* FROM professor;

no rows selected

SQL> SELECT \* FROM course;

no rows selected

SQL> SELECT \* FROM course;

COURSEID	CNAME	CREDITS	DEPTNO
CS2008	DBMS	4	1
AI1001	AI	4	2
MA2000	OTML	4	1
CS2003	DSD	4	1
EC2001	DIP	4	3
ME1001	MECHANICS	4	4
CS2002	ML	4	1

7 rows selected.

SQL> SELECT \* FROM enrollment;

ROLLNO	COURSEID	SEM	YEAR	GR
CS21B2037	CS2008	IV	2023	S
CS21B2037	AI1001	IV	2023	S
CS21B2037	MA2000	IV	2023	A
CS21B2037	CS2003	IV	2023	S
CS21B2037	EC2001	IV	2023	B
CS21B2037	ME1001	IV	2023	A
CS21B2037	CS2002	IV	2023	S

7 rows selected.

SQL> SELECT \* FROM teaching;

EMPID	COURSEID	SEM	YEAR	CLASSROOM
001	EC2001	VI	2023	H01
002	AI1001	IV	2023	H05
003	CS2003	III	2023	H12
004	ME1001	II	2023	H03
005	MA2000	III	2023	H04
006	CS2008	IV	2023	H11
007	CS2002	IV	2023	H10

7 rows selected.

SQL> SELECT \* FROM preRequisite;

PRECOURSE	COURSEID
NONE	CS2008

SQL> SELECT \* FROM preRequisite;

PRECOURSE COURSEID

NONE	CS2008
NONE	AI1001
NONE	MA2000
NONE	CS2003
CS2003	EC2001
NONE	ME1001
AI1001	CS2002

7 rows selected.

SQL> SELECT \* FROM department  
2 ;

DEPTID	NAME	HOD	PHONE
1	CSE	Dr.V.Masilamani	4204204204
2	CS-AI	Dr.Ram Prasad Padhy	2102102102
3	ECE	Dr.Santhana Raghavan	6969696969
4	Mech	Dr.Timmaraju	1111111111
5	Design	Dr.Sudhir Varadarajan	0000000000
6	PET	Alagaraj	9889988998
7	English	Dr.Parvaty Das	8998899889

7 rows selected.

SQL> SELECT \* FROM student;

ROLLNO	NAME	DEGRE	YEAR S	DEPTNO	ADVISOR
CS21B2037	Vishnu	BTech	2021 M	2	Dr.R.Preet
CS22B2026	Abhiram	BTech	2022 M	2	Dr.R.Preet
CS20B1081	Sujan	BTech	2020 M	1	Dr.Santhana Raghavan
EC21B2030	Sai Kiran	BTech	2021 M	3	Dr.Ram Prasad Padhy
ME19B2018	Abhishek	BTech	2019 M	4	Dr.R.Preet
EC22B2019	Siddesh	BTech	2022 M	3	Dr.Ram Prasad Padhy
ME20B1061	Kashyap	BTech	2020 M	4	Dr.R.Preet

7 rows selected.

SQL> DELETE FROM student WHERE year=2019 AND year=2020;

0 rows deleted.

SQL> DELETE FROM student WHERE year=2019 OR year=2020;

3 rows deleted.



SQL> DELETE FROM student WHERE year=2019 AND year=2020;

0 rows deleted.

SQL> DELETE FROM student WHERE year=2019 OR year=2020;

3 rows deleted.

SQL> SELECT \* FROM student;

ROLLNO	NAME	DEGRE	YEAR	S	DEPTNO	ADVISOR
CS21B2037	Vishnu	BTech	2021	M	2	Dr.R.Preet
CS22B2026	Abhiram	BTech	2022	M	2	Dr.R.Preet
EC21B2030	Sai Kiran	BTech	2021	M	3	Dr.Ram Prasad Padhy
EC22B2019	Siddesh	BTech	2022	M	3	Dr.Ram Prasad Padhy

SQL> SELECT \* FROM professor;

no rows selected

SQL> INSERT ALL

```

2      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('001','Dr.V.Masilamani','M',2011,1,'4204204204')
3      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('002','Dr.Ram Prasad Padhy','M',2015,2,'2102102102')
4      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('003','Dr.Santhana Raghavan','M',2015,3,'6969696969')
5      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('004','Dr.Timmaraju','M',2012,4,'1111111111')
6      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('005','Dr.Nachiketa Mishra','M',2018,5,'0000000000')
7      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('006','Dr.Jagadeesh Kakarla','M',2015,6,'9889988998')
8      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('007','Dr.R.Preeth',2016,7,'8998899889')
9  SELECT 1 FROM dual;
      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('007','Dr.R.Preeth',2016,7,'8998899889')
      *
```

ERROR at line 8:  
ORA-00947: not enough values

SQL> INSERT ALL

```

2      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('001','Dr.V.Masilamani','M',2011,1,'4204204204')
3      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('002','Dr.Ram Prasad Padhy','M',2015,2,'2102102102')
4      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('003','Dr.Santhana Raghavan','M',2015,3,'6969696969')
5      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('004','Dr.Timmaraju','M',2012,4,'1111111111')
6      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('005','Dr.Nachiketa Mishra','M',2018,5,'0000000000')
7      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('006','Dr.Jagadeesh Kakarla','M',2015,6,'9889988998')
8      INTO professor(empId, name, sex, startYear, deptNo, phone) VALUES('007','Dr.R.Preeth','M',2016,7,'8998899889')
9  SELECT 1 FROM dual;
```

7 rows created.

SQL> SELECT \* FROM professor;

SQL> SELECT \* FROM professor;

EMPID	NAME	S	STARTYEAR	DEPTNO	PHONE
001	Dr.V.Masilamani	M	2011	1	4204204204
002	Dr.Ram Prasad Padhy	M	2015	2	2102102102
003	Dr.Santhana Raghavan	M	2015	3	6969696969
004	Dr.Timmaraju	M	2012	4	1111111111
005	Dr.Nachiketa Mishra	M	2018	5	0000000000
006	Dr.Jagadeesh Kakarla	M	2015	6	9889988998
007	Dr.R.Preeth	M	2016	7	8998899889

7 rows selected.

SQL> SELECT \* FROM student;

ROLLNO	NAME	DEGRE	YEAR	S	DEPTNO	ADVISOR
CS21B2037	Vishnu	BTech	2021	M	2	Dr.R.Preet
CS22B2026	Abhiram	BTech	2022	M	2	Dr.R.Preet
EC21B2030	Sai Kiran	BTech	2021	M	3	Dr.Ram Prasad Padhy
EC22B2019	Siddesh	BTech	2022	M	3	Dr.Ram Prasad Padhy

SQL> ALTER TABLE student ADD(email-id varchar(30));  
ALTER TABLE student ADD(email-id varchar(30))

ERROR at line 1:  
ORA-00902: invalid datatype

SQL> INSERT ALL  
2 INTO student(email-id) VALUES('cs21b2037@iiitdm.ac.in')  
3 INTO student(email-id) VALUES('cs22b2026@iiitdm.ac.in')  
4 INTO student(email-id) VALUES('ec21b2030@iiitdm.ac.in')  
5 INTO student(email-id) VALUES('ec22b2019@iiitdm.ac.in')  
6 SELECT 1 FROM dual;  
INTO student(email-id) VALUES('cs21b2037@iiitdm.ac.in')

ERROR at line 2:  
ORA-00907: missing right parenthesis

SQL> SELECT \* FROM student;

ROLLNO	NAME	DEGRE	YEAR	S	DEPTNO	ADVISOR
CS21B2037	Vishnu	BTech	2021	M	2	Dr.R.Preet
CS22B2026	Abhiram	BTech	2022	M	2	Dr.R.Preet
EC21B2030	Sai Kiran	BTech	2021	M	3	Dr.Ram Prasad Padhy

SQL&gt; SELECT \* FROM student;

ROLLNO	NAME	DEGRE	YEAR	S	DEPTNO	ADVISOR
CS21B2037	Vishnu	BTech	2021	M	2	Dr.R.Preet
CS22B2026	Abhiram	BTech	2022	M	2	Dr.R.Preet
EC21B2030	Sai Kiran	BTech	2021	M	3	Dr.Ram Prasad Padhy
EC22B2019	Siddesh	BTech	2022	M	3	Dr.Ram Prasad Padhy

SQL&gt; SELECT \* FROM professor;

EMPID	NAME	S	STARTYEAR	DEPTNO	PHONE
001	Dr.V.Masilamani	M	2011	1	4204204204
002	Dr.Ram Prasad Padhy	M	2015	2	2102102102
003	Dr.Santhana Raghavan	M	2015	3	6969696969
004	Dr.Timmaraju	M	2012	4	1111111111
005	Dr.Nachiketa Mishra	M	2018	5	0000000000
006	Dr.Jagadeesh Kakarla	M	2015	6	9889988998
007	Dr.R.Preeth	M	2016	7	8998899889

7 rows selected.

SQL> ALTER TABLE professor ADD(email-id varchar(30));  
ALTER TABLE professor ADD(email-id varchar(30))

\*  
ERROR at line 1:  
ORA-00902: invalid datatype

SQL> INSERT ALL  
2 INTO professor(email-id) VALUES('@iiitdm.ac.in')  
3 INTO professor(email-id) VALUES('@iiitdm.ac.in')  
4 INTO professor(email-id) VALUES('@iiitdm.ac.in')  
5 INTO professor(email-id) VALUES('@iiitdm.ac.in')  
6 INTO professor(email-id) VALUES('@iiitdm.ac.in')  
7 INTO professor(email-id) VALUES('@iiitdm.ac.in')  
8 INTO professor(email-id) VALUES('@iiitdm.ac.in')  
9 SELECT 1 FROM dual;  
INTO professor(email-id) VALUES('@iiitdm.ac.in')

\*  
ERROR at line 2:  
ORA-00907: missing right parenthesis

SQL&gt; ALTER TABLE student ADD(emailId varchar(30));

Table altered.



SQL> ALTER TABLE student ADD(emailId varchar(30));

Table altered.

SQL> INSERT ALL

```
2 INTO student(emailId) VALUES('cs21b2037@iiitdm.ac.in')
3 INTO student(emailId) VALUES('cs22b2026@iiitdm.ac.in')
4 INTO student(emailId) VALUES('ec21b2030@iiitdm.ac.in')
5 INTO student(emailId) VALUES('ec22b2019@iiitdm.ac.in')
6 SELECT 1 FROM dual;
```

4 rows created.

SQL> SELECT \* FROM student;

ROLLNO	NAME	DEGRE	YEAR	S	DEPTNO	ADVISOR	EMAILID
CS21B2037	Vishnu	BTech	2021	M	2	Dr.R.Preet	cs21b2037@iiitdm.ac.in
CS22B2026	Abhiram	BTech	2022	M	2	Dr.R.Preet	cs22b2026@iiitdm.ac.in
EC21B2030	Sai Kiran	BTech	2021	M	3	Dr.Ram Prasad Padhy	ec21b2030@iiitdm.ac.in
EC22B2019	Siddesh	BTech	2022	M	3	Dr.Ram Prasad Padhy	ec22b2019@iiitdm.ac.in

8 rows selected.

SQL> SELECT \* FROM professor;

EMPID	NAME	S	STARTYEAR	DEPTNO	PHONE
001	Dr.V.Masilamani	M	2011	1	4204204204
002	Dr.Ram Prasad Padhy	M	2015	2	2102102102
003	Dr.Santhana Raghavan	M	2015	3	6969696969
004	Dr.Timmaraju	M	2012	4	1111111111
005	Dr.Nachiketa Mishra	M	2018	5	0000000000
006	Dr.Jagadeesh Kakarla	M	2015	6	9889988998
007	Dr.R.Preeth	M	2016	7	8998899889

7 rows selected.

SQL> ALTER TABLE professor ADD(emailId varchar(30));

Table altered.

SQL> INSERT ALL

```
2 INTO professor(emailId) VALUES('masilamani@iiitdm.ac.in')
3 INTO professor(emailId) VALUES('rampadhy@iiitdm.ac.in')
```



Table altered.

```
SQL> INSERT ALL
2      INTO professor(emailId) VALUES('masilamani@iiitdm.ac.in')
3      INTO professor(emailId) VALUES('rampadhy@iiitdm.ac.in')
4      INTO professor(emailId) VALUES('sraghavan@iiitdm.ac.in')
5      INTO professor(emailId) VALUES('timmaraju@iiitdm.ac.in')
6      INTO professor(emailId) VALUES('nmishra@iiitdm.ac.in')
7      INTO professor(emailId) VALUES('jagadeesh@iiitdm.ac.in')
8      INTO professor(emailId) VALUES('rpreet@iiitdm.ac.in')
9  SELECT 1 FROM dual;
```

7 rows created.

```
SQL> SELECT * FROM professor;
```

EMPID	NAME	S	STARTYEAR	DEPTNO	PHONE	EMAILID
001	Dr.V.Masilamani	M	2011	1	4204204204	
002	Dr.Ram Prasad Padhy	M	2015	2	2102102102	
003	Dr.Santhana Raghavan	M	2015	3	6969696969	
004	Dr.Timmaraju	M	2012	4	1111111111	
005	Dr.Nachiketa Mishra	M	2018	5	0000000000	
006	Dr.Jagadeesh Kakarla	M	2015	6	9889988998	
007	Dr.R.Preeth	M	2016	7	8998899889	
						masilamani@iiitdm.ac.in
						rampadhy@iiitdm.ac.in
						sraghavan@iiitdm.ac.in
						timmaraju@iiitdm.ac.in
						nmishra@iiitdm.ac.in
						jagadeesh@iiitdm.ac.in
						rpreet@iiitdm.ac.in

14 rows selected.

```
SQL> DELETE FROM student WHERE name=NULL;
```

0 rows deleted.

```
SQL> DELETE FROM student WHERE name="NULL";
DELETE FROM student WHERE name="NULL"
*
```

ERROR at line 1:  
ORA-00904: "NULL": invalid identifier

```
SQL> DELETE FROM student WHERE name=null;
```

14 rows selected.

SQL> DELETE FROM student WHERE name=NULL;

0 rows deleted.

SQL> DELETE FROM student WHERE name="NULL";

DELETE FROM student WHERE name="NULL"

\*

ERROR at line 1:

ORA-00904: "NULL": invalid identifier

SQL> DELETE FROM student WHERE name=null;

0 rows deleted.

SQL> DELETE FROM student WHERE name IS NULL;

4 rows deleted.

SQL> DELETE FROM professor WHERE name IS NULL;

7 rows deleted.

SQL> UPDATE student SET emailId = 'cs21b2037@iiitdm.ac.in' WHERE rollNo = 'CS21B2037';

1 row updated.

SQL> UPDATE student SET emailId = 'cs22b2026@iiitdm.ac.in' WHERE rollNo = 'CS22B2026';

1 row updated.

SQL> UPDATE student SET emailId = 'ec21b2030@iiitdm.ac.in' WHERE rollNo = 'EC21B2030';

1 row updated.

SQL> UPDATE student SET emailId = 'ec22b2019@iiitdm.ac.in' WHERE rollNo = 'EC22B2019';

1 row updated.

SQL> SELECT \* FROM student;

ROLLNO	NAME	DEGRE	YEAR	S	DEPTNO	ADVISOR	EMAILID
CS21B2037	Vishnu	BTech	2021	M	2	Dr.R.Preet	cs21b2037@iiitdm.ac.in
CS22B2026	Abhiram	BTech	2022	M	2	Dr.R.Preet	cs22b2026@iiitdm.ac.in
EC21B2030	Sai Kiran	BTech	2021	M	3	Dr.Ram Prasad Padhy	ec21b2030@iiitdm.ac.in
EC22B2019	Siddesh	BTech	2022	M	3	Dr.Ram Prasad Padhy	ec22b2019@iiitdm.ac.in

SQL> SELECT \* FROM professor;

EMPID	NAME	S	STARTYEAR	DEPTNO	PHONE	EMAILID
001	Dr.V.Masilamani	M	2011	1	4204204204	
002	Dr.Ram Prasad Padhy	M	2015	2	2102102102	
003	Dr.Santhana Raghavan	M	2015	3	6969696969	
004	Dr.Timmaraju	M	2012	4	1111111111	
005	Dr.Nachiketa Mishra	M	2018	5	0000000000	
006	Dr.Jagadeesh Kakarla	M	2015	6	9889988998	
007	Dr.R.Preeth	M	2016	7	8998899889	

7 rows selected.

SQL> ALTER TABLE professor ADD(emailId varchar(30));  
ALTER TABLE professor ADD(emailId varchar(30))

ERROR at line 1:  
ORA-01430: column being added already exists in table

SQL> UPDATE professor SET emailId = 'masilamani@iiitdm.ac.in' WHERE empId = '001';

1 row updated.

SQL> UPDATE professor SET emailId = 'rampadhy@iiitdm.ac.in' WHERE empId = '002';

1 row updated.

SQL> UPDATE professor SET emailId = 'sraghavan@iiitdm.ac.in' WHERE empId = '003';

1 row updated.

SQL> UPDATE professor SET emailId = 'timmaraju@iiitdm.ac.in' WHERE empId = '004';

1 row updated.

SQL> UPDATE professor SET emailId = 'nmishra@iiitdm.ac.in' WHERE empId = '005';

1 row updated.

SQL> UPDATE professor SET emailId = 'jagadeesh@iiitdm.ac.in' WHERE empId = '006';

1 row updated.

SQL> UPDATE professor SET emailId = 'rpreet@iiitdm.ac.in' WHERE empId = '007';

1 row updated.

```
-----
001      Dr.V.Masilamani      M      2011      1 4204204204 masilamani@iiiitdm.ac.in
002      Dr.Ram Prasad Padhy      M      2015      2 2102102102 rampadhy@iiiitdm.ac.in
003      Dr.Santhana Raghavan      M      2015      3 6969696969 sraghavan@iiiitdm.ac.in
004      Dr.Timmaraju      M      2012      4 1111111111 timmaraju@iiiitdm.ac.in
005      Dr.Nachiketa Mishra      M      2018      5 0000000000 nmishra@iiiitdm.ac.in
006      Dr.Jagadeesh Kakarla      M      2015      6 9889988998 jagadeesh@iiiitdm.ac.in
007      Dr.R.Preeth      M      2016      7 8998899889 rpreet@iiiitdm.ac.in
-----
```

7 rows selected.

SQL> SELECT \* FROM department;

```
DEPTID      NAME      HOD      PHONE
-----
1      CSE      Dr.V.Masilamani      4204204204
2      CS-AI      Dr.Ram Prasad Padhy      2102102102
3      ECE      Dr.Santhana Raghavan      6969696969
4      Mech      Dr.Timmaraju      1111111111
5      Design      Dr.Sudhir Varadarajan      0000000000
6      PET      Alagaraj      9889988998
7      English      Dr.Parvaty Das      8998899889
```

7 rows selected.

SQL> UPDATE department SET name = 'Christy Thomas' and phone = '2222222222' WHERE deptId = '7';

UPDATE department SET name = 'Christy Thomas' and phone = '2222222222' WHERE deptId = '7'

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> UPDATE department SET name = 'Dr.Bingi' and phone = '3333333333' WHERE deptId = '5';

UPDATE department SET name = 'Dr.Bingi' and phone = '3333333333' WHERE deptId = '5'

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> UPDATE department SET name = 'Dr.Gurunathan' and phone = '4444444444' WHERE deptId = '4';

UPDATE department SET name = 'Dr.Gurunathan' and phone = '4444444444' WHERE deptId = '4'

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> UPDATE department SET name = 'Dr. Jagadeesh Kakarla' and phone = '9999999999' WHERE deptId = '1';

UPDATE department SET name = 'Dr. Jagadeesh Kakarla' and phone = '9999999999' WHERE deptId = '1'

\*

ERROR at line 1:



```
SQL> UPDATE department SET name = 'Christy Thomas' and phone = '222222222' WHERE deptId = '7';
UPDATE department SET name = 'Christy Thomas' and phone = '222222222' WHERE deptId = '7'
*
```

```
ERROR at line 1:
ORA-00933: SQL command not properly ended
```

```
SQL> UPDATE department SET name = 'Dr.Bingi' and phone = '333333333' WHERE deptId = '5';
UPDATE department SET name = 'Dr.Bingi' and phone = '333333333' WHERE deptId = '5'
*
```

```
ERROR at line 1:
ORA-00933: SQL command not properly ended
```

```
SQL> UPDATE department SET name = 'Dr.Gurunathan' and phone = '444444444' WHERE deptId = '4';
UPDATE department SET name = 'Dr.Gurunathan' and phone = '444444444' WHERE deptId = '4'
*
```

```
ERROR at line 1:
ORA-00933: SQL command not properly ended
```

```
SQL> UPDATE department SET name = 'Dr. Jagadeesh Kakarla' and phone = '999999999' WHERE deptId = '1';
UPDATE department SET name = 'Dr. Jagadeesh Kakarla' and phone = '999999999' WHERE deptId = '1'
*
```

```
ERROR at line 1:
ORA-00933: SQL command not properly ended
```

```
SQL> UPDATE department SET name = 'Christy Thomas', phone = '222222222' WHERE deptId = '7';
```

```
1 row updated.
```

```
SQL> UPDATE department SET name = 'Dr.Bingi', phone = '333333333' WHERE deptId = '5';
```

```
1 row updated.
```

```
SQL> UPDATE department SET name = 'Dr.Gurunathan', phone = '444444444' WHERE deptId = '4';
```

```
1 row updated.
```

```
SQL> UPDATE department SET name = 'Dr. Jagadeesh Kakarla', phone = '999999999' WHERE deptId = '1';
```

```
1 row updated.
```

```
SQL> SELECT * FROM department;
```

DEPTID	NAME	HOD	PHONE
1	Dr. Jagadeesh Kakarla	Dr.V.Masilamani	999999999

SQL> SELECT \* FROM department;

DEPTID	NAME	HOD	PHONE
1	Dr. Jagadeesh Kakarla	Dr.V.Masilamani	9999999999
2	CS-AI	Dr.Ram Prasad Padhy	2102102102
3	ECE	Dr.Santhana Raghavan	6969696969
4	Dr.Gurunathan	Dr.Timmaraju	4444444444
5	Dr.Bingi	Dr.Sudhir Varadarajan	3333333333
6	PET	Alagaraj	9889988998
7	Christy Thomas	Dr.Parvaty Das	2222222222

7 rows selected.

SQL> UPDATE department SET hod = 'Christy Thomas', phone = '2222222222' WHERE deptId = '7';

1 row updated.

SQL> UPDATE department SET hod = 'Dr.Bingi', phone = '3333333333' WHERE deptId = '5';

1 row updated.

SQL> UPDATE department SET hod = 'Dr.Gurunathan', phone = '4444444444' WHERE deptId = '4';

1 row updated.

SQL> UPDATE department SET hod = 'Dr. Jagadeesh Kakarla', phone = '9999999999' WHERE deptId = '1';

1 row updated.

SQL> SELECT \* FROM department;

DEPTID	NAME	HOD	PHONE
1	Dr. Jagadeesh Kakarla	Dr. Jagadeesh Kakarla	9999999999
2	CS-AI	Dr.Ram Prasad Padhy	2102102102
3	ECE	Dr.Santhana Raghavan	6969696969
4	Dr.Gurunathan	Dr.Gurunathan	4444444444
5	Dr.Bingi	Dr.Bingi	3333333333
6	PET	Alagaraj	9889988998
7	Christy Thomas	Christy Thomas	2222222222

7 rows selected.

SQL> UPDATE department SET name = 'CSE' WHERE deptId = '1';

1 row updated.

SQL> UPDATE department SET name = 'Mech' WHERE deptId = '4';

DEPTID	NAME	HOD	PHONE
1	Dr. Jagadeesh Kakarla	Dr. Jagadeesh Kakarla	9999999999
2	CS-AI	Dr.Ram Prasad Padhy	2102102102
3	ECE	Dr.Santhana Raghavan	6969696969
4	Dr.Gurunathan	Dr.Gurunathan	4444444444
5	Dr.Bingi	Dr.Bingi	3333333333
6	PET	Alagaraj	9889988998
7	Christy Thomas	Christy Thomas	2222222222

7 rows selected.

SQL> UPDATE department SET name = 'CSE' WHERE deptId = '1';

1 row updated.

SQL> UPDATE department SET name = 'Mech' WHERE deptId = '4';

1 row updated.

SQL> UPDATE department SET name = 'Design' WHERE deptId = '5';

1 row updated.

SQL> UPDATE department SET name = 'English' WHERE deptId = '7';

1 row updated.

SQL> SELECT \* FROM department;

DEPTID	NAME	HOD	PHONE
1	CSE	Dr. Jagadeesh Kakarla	9999999999
2	CS-AI	Dr.Ram Prasad Padhy	2102102102
3	ECE	Dr.Santhana Raghavan	6969696969
4	Mech	Dr.Gurunathan	4444444444
5	Design	Dr.Bingi	3333333333
6	PET	Alagaraj	9889988998
7	English	Christy Thomas	2222222222

7 rows selected.

SQL>

```

5      Design      Dr.Bingi      333333333
6      PET         Alagaraj     9889988998
7      English     Christy Thomas 222222222

```

7 rows selected.

SQL> SELECT \* FROM professor;

EMPID	NAME	S	STARTYEAR	DEPTNO	PHONE	EMAILID
001	Dr.V.Masilamani	M	2011	1	4204204204	masilamani@iiitdm.ac.in
002	Dr.Ram Prasad Padhy	M	2015	2	2102102102	rampadhy@iiitdm.ac.in
003	Dr.Santhana Raghavan	M	2015	3	6969696969	sraghavan@iiitdm.ac.in
004	Dr.Timmaraju	M	2012	4	1111111111	timmaraju@iiitdm.ac.in
005	Dr.Nachiketa Mishra	M	2018	5	0000000000	nmishra@iiitdm.ac.in
006	Dr.Jagadeesh Kakarla	M	2015	6	9889988998	jagadeesh@iiitdm.ac.in
007	Dr.R.Preeth	M	2016	7	8998899889	rpreet@iiitdm.ac.in

7 rows selected.

SQL> UPDATE professor SET phone = '555555555' WHERE empId = '001';

1 row updated.

SQL> UPDATE professor SET phone = '666666666' WHERE empId = '002';

1 row updated.

SQL> UPDATE professor SET phone = '777777777' WHERE empId = '003';

1 row updated.

SQL> SELECT \* FROM professor;

EMPID	NAME	S	STARTYEAR	DEPTNO	PHONE	EMAILID
001	Dr.V.Masilamani	M	2011	1	5555555555	masilamani@iiitdm.ac.in
002	Dr.Ram Prasad Padhy	M	2015	2	6666666666	rampadhy@iiitdm.ac.in
003	Dr.Santhana Raghavan	M	2015	3	7777777777	sraghavan@iiitdm.ac.in
004	Dr.Timmaraju	M	2012	4	1111111111	timmaraju@iiitdm.ac.in
005	Dr.Nachiketa Mishra	M	2018	5	0000000000	nmishra@iiitdm.ac.in
006	Dr.Jagadeesh Kakarla	M	2015	6	9889988998	jagadeesh@iiitdm.ac.in
007	Dr.R.Preeth	M	2016	7	8998899889	rpreet@iiitdm.ac.in

7 rows selected.

SQL> █



7 rows selected.

SQL> SELECT \* FROM professor;

EMPID	NAME	S	STARTYEAR	DEPTNO	PHONE	EMAILID
001	Dr.V.Masilamani	M	2011	1	5555555555	masilamani@iiitdm.ac.in
002	Dr.Ram Prasad Padhy	M	2015	2	6666666666	rampadhy@iiitdm.ac.in
003	Dr.Santhana Raghavan	M	2015	3	7777777777	sraghavan@iiitdm.ac.in
004	Dr.Timmaraju	M	2012	4	1111111111	timmaraju@iiitdm.ac.in
005	Dr.Nachiketa Mishra	M	2018	5	0000000000	nmishra@iiitdm.ac.in
006	Dr.Jagadeesh Kakarla	M	2015	6	9889988998	jagadeesh@iiitdm.ac.in
007	Dr.R.Preeth	M	2016	7	8998899889	rpreet@iiitdm.ac.in

7 rows selected.

SQL> ALTER TABLE student ADD(phone varchar(10));

Table altered.

SQL> UPDATE student SET phone = '7878787878' WHERE rollNo = 'CS21B2037';

1 row updated.

SQL> UPDATE student SET phone = '8585858585' WHERE rollNo = 'CS22B2026';

1 row updated.

SQL> UPDATE student SET phone = '4545454545' WHERE rollNo = 'EC21B2030';

1 row updated.

SQL> UPDATE student SET phone = '6767676767' WHERE rollNo = 'EC22B2019';

1 row updated.

SQL> SELECT \* FROM student;

ROLLNO	NAME	DEGRE	YEAR	S	DEPTNO	ADVISOR	EMAILID	PHONE
CS21B2037	Vishnu	BTech	2021	M	2	Dr.R.Preet	cs21b2037@iiitdm.ac.in	7878787878
CS22B2026	Abhiram	BTech	2022	M	2	Dr.R.Preet	cs22b2026@iiitdm.ac.in	8585858585
EC21B2030	Sai Kiran	BTech	2021	M	3	Dr.Ram Prasad Padhy	ec21b2030@iiitdm.ac.in	4545454545
EC22B2019	Siddesh	BTech	2022	M	3	Dr.Ram Prasad Padhy	ec22b2019@iiitdm.ac.in	6767676767

SQL> █