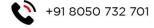




```
SQL> CL SCR
SQL> CREATE TABLE A
    B NUMBER (2),
    C CHAR (4),
    D VARCHAR2 (10),
    E DATE);
Table created.
SQL> CREATE TABLE STUDENTS
    STUDNO NUMBER(6),
    FNAME VARCHAR2 (30),
    LNAME VARCHAR2 (30),
    DOB DATE,
    DOJ DATE,
    FEES NUMBER (7,2),
   GENDER CHAR(1),
   INSERTEDBY VARCHAR2 (10)
   );
Table created.
```









#### SQL> DESCRIBE STUDENTS;

Name	Null?	Туре
STUDNO		NUMBER(6)
FNAME		VARCHAR2(30)
LNAME		VARCHAR2(30)
DOB		DATE
DOJ		DATE
FEES		NUMBER(7,2)
GENDER		CHAR(1)
INSERTEDBY		VARCHAR2(10)

#### SQL> SELECT \* FROM TAB;

TNAME TABTYPE CLUSTERID Α TABLE BONUS TABLE DEPT TABLE EMP TABLE MCASTUDENT TABLE SALGRADE TABLE

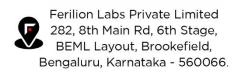
TABLE

7 rows selected.

STUDENTS









#### SQL> DESC TAB;

Name Null? Type

\_\_\_\_\_

TNAME NOT NULL VARCHAR2 (30)

TABTYPE V ARCHAR2 (7)

CLUSTERID NUMBER

#### SQL> SELECT TNAME, TABTYPE, CLUSTERID FROM TAB

WHERE TNAME='STUDENTS';

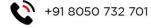
TNAME TABTYPE CLUSTERID

STUDENTS TABLE

#### SQL> -- SYNTAX DESCRIBE <OBJECT NAME>

SQL> INSERT INTO STUDENTS

- 2 VALUES (
- 3 1234,
- 'SAMPATH',
- 5 'KUMAR',
- '09-JAN-80',
- 7 '30-MAR-95',
- 25000,
- 9 'M',
- 'SATHISH' 10
- 11 );
- 1 row created.









SQL> INSERT INTO STUDENTS

- (STUDNO, FNAME, LNAME, DOJ, GENDER)
- 3 VALUES
- (1235, 'Raj', 'Kumar', '20-FEB-85', 'M');
- 1 row created.

#### SQL> SELECT STUDNO, FNAME, LNAME, DOJ, GENDER

2 FROM STUDENTS;

STUDNO	FNAME	LNAME	DOJ	G
1234	SAMPATH	KUMAR	30-MAR-95	М
1235	Raj	Kumar	20-FEB-85	М

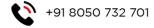
#### SQL> SELECT STUDNO, FNAME, DOB

2 FROM STUDENTS;

STUDNO	FNAME	DOB			
1234	SAMPATH	09-JAN-80			
1235	Raj				

#### SQL> INSERT INTO STUDENTS

- (STUDNO, FNAME, DOJ, FEES, GENDER)
- 3 VALUES
- (1236, 'RAHUL','12-AUG-86',25000,'M');
- 1 row created.











#### SQL> SELECT STUDNO, FNAME, DOB

2 FROM STUDENTS:

STUDNO	FNAME	DOB
1234	SAMPATH	09-JAN-80
1235	Raj	
1236	RAHUL	

#### SQL> INSERT INTO STUDENTS (STUDNO, FNAME, DOJ, FEES, GENDER)

2 VALUES(1237, 'RAKESH', 25000, 'M');

VALUES (1237, 'RAKESH', 25000, 'M')

ERROR at line 2:

ORA-00947: not enough values

#### SQL> ED

Wrote file afiedt.buf

- 1 INSERT INTO STUDENTS (STUDNO, FNAME, DOJ, FEES, GENDER)
- 2\* VALUES (1237, 'RAKESH', '13-FEB-86', 25000, 'M', 'SAMPLE')

SQL> /

INSERT INTO STUDENTS (STUDNO, FNAME, DOJ, FEES, GENDER)

ERROR at line 1:

ORA-00913: too many values



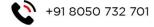




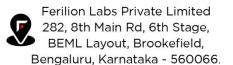




```
SQL> ED
Wrote file afiedt.buf
 1 INSERT INTO STUDENTS (STUDNO, FNAME, DOJ, FEES, GENDER)
 2* VALUES (1237, '13-FEB-86', 'RAKESH', 25000, 'M', 'SAMPLE')
SQL> /
INSERT INTO STUDENTS (STUDNO, FNAME, DOJ, FEES, GENDER)
ERROR at line 1:
ORA-00913: too many values
SQL> ED
Wrote file afiedt.buf
 1 INSERT INTO STUDENTS (STUDNO, FNAME, DOJ, FEES, GENDER)
 2* VALUES (1237, '13-FEB-86', 'RAKESH', 25000, 'M')
SQL> /
VALUES (1237, '13-FEB-86', 'RAKESH', 25000, 'M')
ERROR at line 2:
ORA-01858: a non-numeric character was found where a numeric was
expected
SOL> ED
Wrote file afiedt.buf
 1 INSERT INTO STUDENTS (STUDNO, FNAME, LNAME, DOB, DOJ, FEES, GENDER)
 2* VALUES (1237, 'KRISHNA', NULL, ' ', '28-FEB-04', NULL, 'M')
SQL> /
```











VALUES (1237, 'KRISHNA', NULL, ' ', '28-FEB-04', NULL, 'M')

ERROR at line 2:

ORA-01847: day of month must be between 1 and last day of month

#### SQL> ED

Wrote file afiedt.buf

1 INSERT INTO STUDENTS (STUDNO, FNAME, LNAME, DOB, DOJ, FEES, GENDER)

2\* VALUES (1237, 'KRISHNA', NULL, '', '28-FEB-04', NULL, 'M')

SQL> /

1 row created.

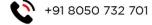
#### SQL> SELECT \* FROM STUDENTS;

STUDNO	FNAME	LNAME	DOB	DOJ	FEES	G	INSERTEDBY
1234	SAMPATH	KUMAR	09-JAN-80	30-MAR-95	25000	М	SATHISH
1235	Raj Kumar		20-FEB-85			М	
1236	RAHUL		12-AUG-86		25000	М	
STUDNO	FNAME	LNAME	DOB	DOJ F	EES G		INSERTEDBY
1237	KRISHNA		28-	-FEB-04	М		

SQL> COL STUDNO FORMAT 9999

SQL> COL FNAME FORMAT A10

SQL> COL LNAME FORMAT A10











SQL> COL FEES FORMAT 99999

SOL> R

1\* SELECT \* FROM STUDENTS

STUDNO	FNAME	LNAME	DOB	DOJ	FEES	G	INSERTEDBY
1234	SAMPATH	KUMAR	09-JAN-80	30-MAR-95	25000	М	SATHISH
1235	Raj	Kumar	20-FEB-85			М	
1236	RAHUL		12-AUG-86		25000	М	
1237	KRISHNA		28-FEB-04	M			

#### SQL> INSERT INTO STUDENTS

- 2 (STUDNO, FNAME, DOJ, FEES, GENDER, INSERTBY)
- 3 VALUES (1237, 'Mohan', SYSDATE, 25000, 'M', USER);

(STUDNO, FNAME, DOJ, FEES, GENDER, INSERTBY)

ERROR at line 2:

ORA-00904: "INSERTBY": invalid identifier

#### SQL> ED

Wrote file afiedt.buf

- 1 INSERT INTO STUDENTS
- 2 (STUDNO, FNAME, DOJ, FEES, GENDER, INSERTEDBY)
- 3\* VALUES (1237, 'Mohan', SYSDATE, 25000, 'M', USER)

SQL> /

1 row created.











#### SQL> SELECT \* FROM STUDENTS;

STUDNO	FNAME	LNAME	DOB	DOJ	FEES	G	INSERTEDBY
1234	SAMPATH	KUMAR	09-JAN-80	30-MAR-95	25000	М	SATHISH
1235	Raj	Kumar	20-FEB-85			М	
1236	RAHUL		12-AUG-86		25000	М	
1237	KRISHNA			28-FEB-04		M	
1237	Mohan		05-AUG-16		25000	M	SCOTT

#### SQL> --INSERT DATA BY USING SUBSTITUTION VARIABLES(&,&&)

SQL> INSERT INTO STUDENTS

2 (STUDNO, FNAME, LNAME, DOB, FEES)

3 VALUES(&STUDNO,'&FIRSTNAME','&LASTNAME','&DOB',25000);

Enter value for studno: 1238

Enter value for firstname: RAKESH

Enter value for lastname: KUMAR

Enter value for dob: 25-JUN-85

old 3: VALUES(&STUDNO,'&FIRSTNAME','&LASTNAME','&DOB',25000)

new 3: VALUES(1238, 'RAKESH', 'KUMAR', '25-JUN-85', 25000)

1 row created.

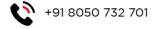
#### SOL> SET VERIFY OFF

SQL> /

Enter value for studno: 1239

Enter value for firstname: RAHUL

Enter value for lastname: NULL



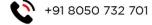








```
Enter value for dob: 12-AUG-97
1 row created.
SQL> SET VERIFY ON
SQL> /
Enter value for studno: 1240
Enter value for firstname: RAJU
Enter value for lastname: VERMA
Enter value for dob: SYSDATE
old 3: VALUES(&STUDNO,'&FIRSTNAME','&LASTNAME','&DOB',25000)
new 3: VALUES(1240, 'RAJU', 'VERMA', 'SYSDATE', 25000)
VALUES (1240, 'RAJU', 'VERMA', 'SYSDATE', 25000)
ERROR at line 3:
ORA-01858: a non-numeric character was found where a numeric was
expected
SQL> ED
Wrote file afiedt.buf
 1 INSERT INTO STUDENTS
 2 (STUDNO, FNAME, LNAME, DOB, FEES)
 3* VALUES (&STUDNO, '&FIRSTNAME', '&LASTNAME', &DOB, 25000)
SQL> /
Enter value for studno: 1240
Enter value for firstname: RAJU
Enter value for lastname: VERMA
```











Enter value for dob: SYSDATE

### Dream. Create. Achieve.

```
old 3: VALUES(&STUDNO,'&FIRSTNAME','&LASTNAME',&DOB,25000)
new 3: VALUES(1240, 'RAJU', 'VERMA', SYSDATE, 25000)
1 row created.
SQL> SET VERIFY OFF
SQL> --&& SUBSTITUTION VARIABLE ALONG WITH SINGLE & SUBSTITUTION
VARIABLE
SQL> INSERT INTO STUDENTS
 2 (STUDNO, FNAME, LNAME, DOB, DOJ, FEES, GENDER)
VALUES (&STUDID, '&FIRSTNAME', '&LASTNAME', '&DOB', SYSDATE, &&FEES, &GENDE
Enter value for studid: 1241
Enter value for firstname: SHYAM
Enter value for lastname: SUNDER
Enter value for dob: 15-JUN-86
Enter value for fees: 20000
Enter value for gender: 'M'
1 row created.
```

#### SQL> ED

Wrote file afiedt.buf

- 1 INSERT INTO STUDENTS
- 2 (STUDNO, FNAME, LNAME, DOB, DOJ, FEES, GENDER)

VALUES (&STUDID, '&FIRSTNAME', &LASTNAME, '&DOB', SYSDATE, &&FEES, &GENDER)









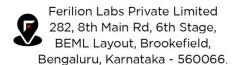


# **FERILION LABS**

```
SQL> /
Enter value for studid: 1242
Enter value for firstname: RAJESH
Enter value for lastname: NULL
Enter value for dob: 16-NOV-90
Enter value for gender: 'M'
1 row created.
SQL> /
Enter value for studid: 1243
Enter value for firstname: RAJNISH
Enter value for lastname: NULL
Enter value for dob: 25-FEB-92
Enter value for gender: 'M'
1 row created.
SQL> SELECT * FROM STUDENTS;
```

STUDNO	FNAME	LNAME	DOB	DOJ	FEES	G	INSERTEDBY
						-	
1234	SAMPATH	KUMAR	09-JAN-80	30-MAR-95	25000	M	SATHISH
1235	Raj	Kumar	20-FEB-85			M	
1236	RAHUL		12-AUG-86		25000	M	
1237	KRISHNA		28-FEB-04			M	
1237	Mohan			05-AUG-16	25000	M	SCOTT
1238	RAKESH KUMA	AR	25-JUN-85		25000		
1239	RAHUL NULL			12-AUG-97	25000		
1240	RAJU VERMA			05-AUG-16	25000		
1241	SHYAM SUNDI	ER	15-JUN-86	05-AUG-16	20000	М	









```
1242 RAJESH 16-NOV-90 05-AUG-16 20000 M
 1243 RAJNISH 25-FEB-92 05-AUG-16 20000 M
11 rows selected.
SQL> UNDEFINE FEES
SQL> INSERT INTO STUDENTS
 2 (STUDNO, FNAME, LNAME, DOB, DOJ, FEES, GENDER)
 3
VALUES (&STUDID, '&FIRSTNAME', &LASTNAME, '&DOB', SYSDATE, &&FEES, &GENDER)
Enter value for studid: 1244
Enter value for firstname: SRINU
Enter value for lastname: NULL
Enter value for dob: 11-JUL-84
Enter value for fees: 15000
Enter value for gender: 'M'
1 row created.
SQL> /
Enter value for studid: 1245
Enter value for firstname: SHRAVAN
Enter value for lastname: NULL
Enter value for dob: 13-AUG-96
Enter value for gender: 'M'
1 row created.
SQL> DEFINE FEES=10000
SQL> /
```









```
Enter value for studid: 1246
Enter value for firstname: RAMANA
Enter value for lastname: 'KUMAR'
Enter value for dob: 24-JUL-86
Enter value for gender: M
VALUES (1246, 'RAMANA', 'KUMAR', '24-JUL-86', SYSDATE, 10000, M)
ERROR at line 3:
ORA-00984: column not allowed here
SQL> /
Enter value for studid: 1246
Enter value for firstname: RAMANA
Enter value for lastname: KUMAR
Enter value for dob: 24-JUL-86
Enter value for gender: 'M'
VALUES (1246, 'RAMANA', KUMAR, '24-JUL-86', SYSDATE, 10000, 'M')
ERROR at line 3:
ORA-00984: column not allowed here
SQL> /
Enter value for studid: 1246
Enter value for firstname: RAMANA
Enter value for lastname: 'KUMAR'
Enter value for dob: 24-JUL-86
Enter value for gender: 'M'
1 row created.
```