



Dream. Create. Achieve.

FERILION LABS

```
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.



+91 8050 732 701



www.ferilionlabs.com



Ferilion Labs Private Limited
282, 8th Main Rd, 6th Stage,
BEML Layout, Brookefield,
Bengaluru, Karnataka - 560066.



info@ferilionlabs.com



Dream. Create. Achieve.

FERILION LABS

SQL> DESCRIBE STUDENTS;

Name	Null?	Type
-----	-----	-----
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
-----	-----	-----
A	TABLE	
BONUS	TABLE	
DEPT	TABLE	
EMP	TABLE	
MCASTUDENT	TABLE	
SALGRADE	TABLE	
STUDENTS	TABLE	

7 rows selected.



+91 8050 732 701



www.ferilionlabs.com



Ferilion Labs Private Limited
282, 8th Main Rd, 6th Stage,
BEML Layout, Brookefield,
Bengaluru, Karnataka - 560066.



info@ferilionlabs.com



Dream. Create. Achieve.

FERILION LABS

```
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,
```

```
4      'SAMPATH',
```

```
5      'KUMAR',
```

```
6      '09-JAN-80',
```

```
7      '30-MAR-95',
```

```
8      25000,
```

```
9      'M',
```

```
10     'SATHISH'
```

```
11     );
```

```
1 row created.
```



+91 8050 732 701



www.ferilionlabs.com



Ferilion Labs Private Limited
282, 8th Main Rd, 6th Stage,
BEML Layout, Brookefield,
Bengaluru, Karnataka - 560066.



info@ferilionlabs.com



Dream. Create. Achieve.

FERILION LABS

```
SQL> INSERT INTO STUDENTS
2   (STUDNO,FNAME, LNAME, DOJ, GENDER)
3   VALUES
4   (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	M
1235	Raj	Kumar	20-FEB-85	M

```
SQL> SELECT STUDNO,FNAME,DOB
```

```
2 FROM STUDENTS;
```

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

```
SQL> INSERT INTO STUDENTS
```

```
2   (STUDNO,FNAME, DOJ,FEES, GENDER)
3   VALUES
4   (1236, 'RAHUL','12-AUG-86',25000,'M');
1 row created.
```



+91 8050 732 701



www.ferilionlabs.com



Ferilion Labs Private Limited
282, 8th Main Rd, 6th Stage,
BEML Layout, Brookefield,
Bengaluru, Karnataka - 560066.



info@ferilionlabs.com



Dream. Create. Achieve.

FERILION LABS

```
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
```



+91 8050 732 701



www.ferilionlabs.com



Ferilion Labs Private Limited
282, 8th Main Rd, 6th Stage,
BEML Layout, Brookefield,
Bengaluru, Karnataka - 560066.



info@ferilionlabs.com



Dream. Create. Achieve.

FERILION LABS

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

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> /



+91 8050 732 701



www.ferilionlabs.com



Ferilion Labs Private Limited
282, 8th Main Rd, 6th Stage,
BEML Layout, Brookefield,
Bengaluru, Karnataka - 560066.



info@ferilionlabs.com



Dream. Create. Achieve.

FERILION LABS

```
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	M	SATHISH
1235	Raj Kumar		20-FEB-85			M	
1236	RAHUL		12-AUG-86		25000	M	

STUDNO	FNAME	LNAME	DOB	DOJ	FEES	G	INSERTEDBY
1237	KRISHNA			28-FEB-04		M	

SQL> COL STUDNO FORMAT 9999

SQL> COL FNAME FORMAT A10

SQL> COL LNAME FORMAT A10



+91 8050 732 701



www.ferilionlabs.com



Ferilion Labs Private Limited
282, 8th Main Rd, 6th Stage,
BEML Layout, Brookefield,
Bengaluru, Karnataka - 560066.



info@ferilionlabs.com



Dream. Create. Achieve.

FERILION LABS

```
SQL> COL FEES FORMAT 99999
```

```
SQL> R
```

```
1* 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			

```
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.



+91 8050 732 701



www.ferilionlabs.com



Ferilion Labs Private Limited
282, 8th Main Rd, 6th Stage,
BEML Layout, Brookefield,
Bengaluru, Karnataka - 560066.



info@ferilionlabs.com



Dream. Create. Achieve.

FERILION LABS

```
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

```
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.
```

```
SQL> SET VERIFY OFF
```

```
SQL> /
```

```
Enter value for studno: 1239
```

```
Enter value for firstname: RAHUL
```

```
Enter value for lastname: NULL
```



+91 8050 732 701



www.ferilionlabs.com



Ferilion Labs Private Limited
282, 8th Main Rd, 6th Stage,
BEML Layout, Brookefield,
Bengaluru, Karnataka - 560066.



info@ferilionlabs.com



Dream. Create. Achieve.

FERILION LABS

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



+91 8050 732 701



www.ferilionlabs.com



Ferilion Labs Private Limited
282, 8th Main Rd, 6th Stage,
BEML Layout, Brookefield,
Bengaluru, Karnataka - 560066.



info@ferilionlabs.com



Dream. Create. Achieve.

FERILION LABS

Enter value for dob: SYSDATE

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)

3

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

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)

3*

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



+91 8050 732 701



www.ferilionlabs.com



Ferilion Labs Private Limited
282, 8th Main Rd, 6th Stage,
BEML Layout, Brookefield,
Bengaluru, Karnataka - 560066.



info@ferilionlabs.com



Dream. Create. Achieve.

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 KUMAR		25-JUN-85		25000		
1239	RAHUL	NULL		12-AUG-97	25000		
1240	RAJU	VERMA		05-AUG-16	25000		
1241	SHYAM	SUNDER	15-JUN-86	05-AUG-16	20000	M	



+91 8050 732 701



www.ferilionlabs.com



Ferilion Labs Private Limited
282, 8th Main Rd, 6th Stage,
BEML Layout, Brookefield,
Bengaluru, Karnataka - 560066.



info@ferilionlabs.com



Dream. Create. Achieve.

FERILION LABS

```
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> /



+91 8050 732 701



www.ferilionlabs.com



Ferilion Labs Private Limited
282, 8th Main Rd, 6th Stage,
BEML Layout, Brookefield,
Bengaluru, Karnataka - 560066.



info@ferilionlabs.com

```
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.
```

```
SQL> SPOOL OFF
```