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SQL Plus
SQL*Plus: Release 21.0.0.0.0 - Production on Fri Aug 29 21:17:09 2025
Version 21.3.0.0.0

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Enter user-name: system
Enter password:
Last Successful Login time: Fri Aug 29 2025 20:54:52 +05:30

Connected to:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0

SQL> CREATE TABLE Student
  2 (
  3   admission_no varchar (8) NOT NULL ,
  4   first_name varchar (30) NOT NULL ,
  5   last_name varchar (30) NOT NULL ,
  6   age number ,
  7   city varchar (40)
  8 ) ;

Table created.

SQL> CREATE TABLE Fee
  2 (
  3   admission_no varchar (8) NOT NULL ,
  4   course varchar (30) NOT NULL ,
  5   amount_paid number
  6 ) ;

Table created.
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Table created.

SQL> INSERT INTO Student VALUES
  2 ( '&admission_no', '&first_name', '&last_name', &age, '&city' ) ;
Enter value for admission_no: 001
Enter value for first_name: nithu
Enter value for last_name: kj
Enter value for age: 19
Enter value for city: coimbatore
old 2: ( '&admission_no', '&first_name', '&last_name', &age, '&city' )
new 2: ( '001', 'nithu', 'kj', 19, 'coimbatore' )

1 row created.

SQL> INSERT INTO Student VALUES
  2 ( '&admission_no', '&first_name', '&last_name', &age, '&city' ) ;
Enter value for admission_no: 002
Enter value for first_name: vithya
Enter value for last_name: p
Enter value for age: 19
Enter value for city: palani
old 2: ( '&admission_no', '&first_name', '&last_name', &age, '&city' )
new 2: ( '002', 'vithya', 'p', 19, 'palani' )

1 row created.

SQL> INSERT INTO Student VALUES
  2 ( '&admission_no', '&first_name', '&last_name', &age, '&city' ) ;
Enter value for admission_no: 003
Enter value for first_name: sathya
Enter value for last_name: p
Enter value for age: 20
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Enter value for last_name: p
Enter value for age: 20
Enter value for city: mysore
old 2: ( '&admission_no', '&first_name', '&last_name', &age, '&city' )
new 2: ( '003', 'sathya', 'p', 20, 'mysore' )

1 row created.

SQL> INSERT INTO Student VALUES
2 ( '&admission_no', '&first_name', '&last_name', &age, '&city' ) ;
Enter value for admission_no: 004
Enter value for first_name: sangeetha
Enter value for last_name: p
Enter value for age: 21
Enter value for city: madurai
old 2: ( '&admission_no', '&first_name', '&last_name', &age, '&city' )
new 2: ( '004', 'sangeetha', 'p', 21, 'madurai' )

1 row created.

SQL> INSERT INTO Fee VALUES ( '&admission_no', '&course', '&amount_paid' ) ;
Enter value for admission_no: 001
Enter value for course: java
Enter value for amount_paid: 8000
old 1: INSERT INTO Fee VALUES ( '&admission_no', '&course', '&amount_paid' )
new 1: INSERT INTO Fee VALUES ( '001', 'java', '8000' )

1 row created.

SQL> INSERT INTO Fee VALUES ( '&admission_no', '&course', '&amount_paid' ) ;
Enter value for admission_no: 002
Enter value for course: python
Enter value for amount_paid: 9000
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ADMISSIO FIRST_NAME      LAST_NAME
-----
COURSE      AMOUNT_PAID
-----
001      nithu      kj
java      8000

002      vithya      p
python    9000

003      sathya      p
c          7000

ADMISSIO FIRST_NAME      LAST_NAME
-----
COURSE      AMOUNT_PAID
-----
004      sangeetha      p
c++        8000

SQL> SELECT Student.admission_no, Student.first_name, Student.last_name,
2 Fee.course, Fee.amount_paid FROM Student CROSS JOIN Fee WHERE
3 Student.admission_no = Fee.admission_no ;

ADMISSIO FIRST_NAME      LAST_NAME
-----
COURSE      AMOUNT_PAID
-----
001      nithu      kj
java      8000
```

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002    vithya      p
python      9000

003    sathya      p
c           7000

ADMISSIO FIRST_NAME      LAST_NAME
-----
COURSE      AMOUNT_PAID
-----
004    sangeetha      p
c++     8000

SQL> SELECT Student.admission_no, Student.first_name, Student.last_name,
2 Fee.course, Fee.amount_paid FROM Student LEFT OUTER JOIN Fee ON
3 Student.admission_no = Fee.admission_no ;

ADMISSIO FIRST_NAME      LAST_NAME
-----
COURSE      AMOUNT_PAID
-----
001    nithu      kj
java      8000

002    vithya      p
python      9000

003    sathya      p
c           7000
```

```
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003      sathya      p
c      7000

ADMISSIO FIRST_NAME      LAST_NAME
-----
COURSE      AMOUNT_PAID
-----
004      sangeetha      p
c++      8000

SQL> SELECT Student.admission_no, Student.first_name, Student.last_name,
2 Fee.course, Fee.amount_paid FROM Student RIGHT OUTER JOIN Fee ON
3 Student.admission_no = Fee.admission_no ;

ADMISSIO FIRST_NAME      LAST_NAME
-----
COURSE      AMOUNT_PAID
-----
001      nithu      kj
java      8000

002      vithya      p
python      9000

003      sathya      p
c      7000

ADMISSIO FIRST_NAME      LAST_NAME
-----
COURSE      AMOUNT_PAID
-----
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26°C
Partly cloudy

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