SQL\*Plus: Release 10.2.0.1.0 - Production on Wed Feb 28 14:03:31 2024

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SQL> connect system

Enter password:

Connected.

SQL> create table product(productid number(3),productname varchar(10),categoryid number(3),prize number(3));

Table created.

SQL> insert into product values(&productid,'&productname',&categoryid,&prize);

Enter value for productid: 1

Enter value for productname: Biscuit

Enter value for categoryid: 1

Enter value for prize: 30

old 1: insert into product values(&productid,'&productname',&categoryid,&prize)

new 1: insert into product values(1,'Biscuit',1,30)

1 row created.

SQL> /

Enter value for productid: 2

Enter value for productname: Cookies

Enter value for categoryid: 1

Enter value for prize: 50

old 1: insert into product values(&productid,'&productname',&categoryid,&prize)

new 1: insert into product values(2,'Cookies',1,50)

1 row created.

SQL> /

Enter value for productid: 3

Enter value for productname: Casatta

Enter value for categoryid: 2

Enter value for prize: 120

old 1: insert into product values(&productid,'&productname',&categoryid,&prize)

new 1: insert into product values(3,'Casatta',2,120)

1 row created.

SQL> create table category(category number(3),categoryname varchar(10),description varchar(20));

Table created.

SQL> create table category1(categoryid number(3),categoryname varchar(10),description varchar(20));

Table created.

SQL> insert into category1 values (&categoryid,'&categoryname','&description');

Enter value for categoryid: 1

Enter value for categoryname: Bakery

Enter value for description: Bake products

old 1: insert into category1 values (&categoryid,'&categoryname','&description')

new 1: insert into category1 values (1,'Bakery','Bake products')

1 row created.

SQL> /

Enter value for categoryid: 2

Enter value for categoryname: Ice cream

Enter value for description: Lazza product

old 1: insert into category1 values (&categoryid,'&categoryname','&description')

new 1: insert into category1 values (2,'Ice cream','Lazza product')

1 row created.

SQL> /

Enter value for categoryid: 3

Enter value for categoryname: Beverages

Enter value for description: Soft drinks

old 1: insert into category1 values (&categoryid,'&categoryname','&description')

new 1: insert into category1 values (3,'Beverages','Soft drinks')

1 row created.

SQL> select \* from product;

PRODUCTID PRODUCTNAM CATEGORYID PRIZE

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1 Biscuit 1 30

2 Cookies 1 50

3 Casatta 2 120

SQL> select \* from category1;

CATEGORYID CATEGORYNA DESCRIPTION

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1 Bakery Bake products

2 Ice cream Lazza product

3 Beverages Soft drinks

SQL> select productid,productname,categoryname from product NATURAL JOIN category;

no rows selected

SQL> select productid,productname,categoryname from product NATURAL JOIN category1;

PRODUCTID PRODUCTNAM CATEGORYNA

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2 Cookies Bakery

1 Biscuit Bakery

3 Casatta Ice cream

SQL> select productid,productname,categoryname from product inner join category1 on product.categoryid=category.categoryid;

select productid,productname,categoryname from product inner join category1 on product.categoryid=category.categoryid

\*

ERROR at line 1:

ORA-00904: "CATEGORY"."CATEGORYID": invalid identifier

SQL> select productid,productname,categoryname from product inner join category1 on product.categoryid=category1.categoryid;

PRODUCTID PRODUCTNAM CATEGORYNA

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2 Cookies Bakery

1 Biscuit Bakery

3 Casatta Ice cream

SQL> select productname,categoryname from product inner join category1 on product.categoryid=category1.categoryid;

PRODUCTNAM CATEGORYNA

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Cookies Bakery

Biscuit Bakery

Casatta Ice cream

SQL> select productid,productname,categoryname from product NATURAL RIGHT OUTER JOIN category1;

PRODUCTID PRODUCTNAM CATEGORYNA

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1 Biscuit Bakery

2 Cookies Bakery

3 Casatta Ice cream

Beverages

SQL> select productid,productname,categoryname from product NATURAL LEFT OUTER JOIN category1;

PRODUCTID PRODUCTNAM CATEGORYNA

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2 Cookies Bakery

1 Biscuit Bakery

3 Casatta Ice cream

SQL> select productname,categoryname from product NATURAL FULL OUTER JOIN category1;

PRODUCTNAM CATEGORYNA

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Cookies Bakery

Biscuit Bakery

Casatta Ice cream

Beverages

SQL> select productid,productname,categoryname from product NATURAL FULL OUTER JOIN category1;

PRODUCTID PRODUCTNAM CATEGORYNA

---------- ---------- ----------

2 Cookies Bakery

1 Biscuit Bakery

3 Casatta Ice cream

Beverages

SQL> select productname,categoryname,description from product NATURAL LEFT OUTER JOIN category1;

PRODUCTNAM CATEGORYNA DESCRIPTION

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Cookies Bakery Bake products

Biscuit Bakery Bake products

Casatta Ice cream Lazza product

SQL> select productid,productname,categoryid,categoryname from product NATURAL FULL OUTER JOIN category1;

PRODUCTID PRODUCTNAM CATEGORYID CATEGORYNA

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2 Cookies 1 Bakery

1 Biscuit 1 Bakery

3 Casatta 2 Ice cream

3 Beverages

SQL>