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CISC 3140

Lab 9

This is one of my SQL assignments to which I created a table called CompanyOrders as an example of table creation to organize and store data. The CompanyOrders table has 3 categories which holds the data of items ordered which includes the order number, what item it is, and the product number. Along with that there is a CustomerAccounts table which holds the data of customers with an account to the company that holds their name, account number and tracks their purchases via the product number .So with the Table already made I just inputted some JOIN commands I learned in class to show how I can manipulate the table to show specific data I want to see.

This is a list of commands i inputted and on the second page is the output

Run Run Selected Auto complete Clear SQL statement:

```
Select * from CompanyOrders;  
Select * from CustomerAccounts;  
Select * from CompanyOrders LEFT OUTER JOIN CustomerAccounts on CompanyOrders.order_no;  
Select * from CompanyOrders RIGHT OUTER JOIN CustomerAccounts on CompanyOrders.order_no;  
Select * from CompanyOrders LEFT OUTER JOIN CustomerAccounts on CompanyOrders.order_no = CustomerAccounts.order_no WHERE CustomerAccounts.order_no is null;  
Select * from CompanyOrders RIGHT OUTER JOIN CustomerAccounts on CompanyOrders.order_no = CustomerAccounts.order_no WHERE CompanyOrders.order_no is null;  
Select * from CompanyOrders CROSS JOIN CustomerAccounts;
```

Select * from CompanyOrders;

ORDER_NO	ITEMS	PRODUCT_NO
1	Tissues	1010
1	Tissues	1011
1	Tissues	1013

(3 rows, 1 ms)

Select * from CustomerAccounts;

NAME	ACCT_NO	ORDER_NO
Kevin	1130	1
Kevin	1131	1
Kevin	1132	3

(3 rows, 0 ms)

Select * from CompanyOrders LEFT OUTER JOIN CustomerAccounts on CompanyOrders.order_no;

ORDER_NO	ITEMS	PRODUCT_NO	NAME	ACCT_NO	ORDER_NO
1	Tissues	1010	Kevin	1130	1
1	Tissues	1010	Kevin	1131	1
1	Tissues	1010	Kevin	1132	3
1	Tissues	1011	Kevin	1130	1
1	Tissues	1011	Kevin	1131	1
1	Tissues	1011	Kevin	1132	3
1	Tissues	1013	Kevin	1130	1
1	Tissues	1013	Kevin	1131	1
1	Tissues	1013	Kevin	1132	3

(9 rows, 0 ms)

Select * from CompanyOrders RIGHT OUTER JOIN CustomerAccounts on CompanyOrders.order_no;

ORDER_NO	ITEMS	PRODUCT_NO	NAME	ACCT_NO	ORDER_NO
1	Tissues	1010	Kevin	1130	1
1	Tissues	1011	Kevin	1130	1
1	Tissues	1013	Kevin	1130	1
1	Tissues	1010	Kevin	1131	1
1	Tissues	1011	Kevin	1131	1
1	Tissues	1013	Kevin	1131	1
1	Tissues	1010	Kevin	1132	3
1	Tissues	1011	Kevin	1132	3
1	Tissues	1013	Kevin	1132	3

(9 rows, 0 ms)

Select * from CompanyOrders LEFT OUTER JOIN CustomerAccounts on CompanyOrders.order_no = CustomerAccounts.order_no WHERE CustomerAccounts.order_no is null;

ORDER_NO	ITEMS	PRODUCT_NO	NAME	ACCT_NO	ORDER_NO
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(no rows, 0 ms)

Select * from CompanyOrders RIGHT OUTER JOIN CustomerAccounts on CompanyOrders.order_no = CustomerAccounts.order_no WHERE CompanyOrders.order_no is null;

ORDER_NO	ITEMS	PRODUCT_NO	NAME	ACCT_NO	ORDER_NO
null	null	null	Kevin	1132	3

(1 row, 0 ms)

Select * from CompanyOrders CROSS JOIN CustomerAccounts;

ORDER_NO	ITEMS	PRODUCT_NO	NAME	ACCT_NO	ORDER_NO
1	Tissues	1010	Kevin	1130	1
1	Tissues	1010	Kevin	1131	1
1	Tissues	1010	Kevin	1132	3
1	Tissues	1011	Kevin	1130	1
1	Tissues	1011	Kevin	1131	1
1	Tissues	1011	Kevin	1132	3
1	Tissues	1013	Kevin	1130	1
1	Tissues	1013	Kevin	1131	1
1	Tissues	1013	Kevin	1132	3

(9 rows, 1 ms)