

# CONNX 8.9 QUICK REFERENCE CARD

Using CNXPreference with CONNX data sources

# CNXPreference( <# of comparison item>, <comparison item #1>, <comparison item #2>, ... <value item #1>, <output item #1>, <value item #2>, <output item #2>, ...)

The CNXPreference function enables users to prepare a SQL statement that tests multiple similar fields, in order of preference, against a list of criteria in order to return a single value.

## Example File or Table Structure

File	
Contacts	

Field Company Contact Title Phone Type 1 Phone Number 1 Phone Type 2 Phone Number 2 Phone Type 3 Phone Number 3 Address Type 1 Address 1 Address\_Type\_2 Address 2 Address Type 3 Address 3

### **Desired Resultset**

This resultset returns the contacts address and phone information. The address should be the contacts mailing address (type 'M'); if a mailing address does not exist, it uses the permanent address (type 'P'). The phone number should be their office phone number (type 'O'); if an office phone number does not exist, it uses the assistant's phone number (type 'A').

The CNXPreference SQL statement, below to the right, typed into InfoNaut – The CONNX Query Tool, returns five columns (Company, Contact, Title, Address, Phone), as shown on the following page.

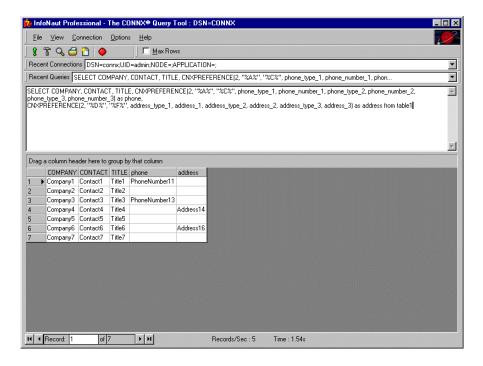
InfoNaut Professional - The CONNX® Query Tool : DSN=CONNX  Ele View Connection Options Help  Recent Connections DSN=connxUID=admin.NODE=APPLICATION=; Recent Queries SELECT COMPANY, CONTACT, TITLE, CNXPREFERENCE(2, "%A%", "%C%", phone_type_1, phone_number_1	SELECT contacts.Company, contacts.Contact, contacts.Title,
SELECT COMPANY, CONTACT, 11TLE: CNOPREFERENCE(2. "%A%", "%C%", phone_type_1, phone_tyme_1, phone_type_1);         ONSPREFERENCE(2. "%D%", "%F%", address_type_1, address_type_2; address_2, address_type_3, address_3) as address_1);         ONSPREFERENCE(2. "%D%", "%F%", address_type_1, address_type_2; address_2, address_type_3, address_3) as address_1);         Drag a column header here to group by that column	cnxpreference(2, "%A%", "%C%", Phone_Type_1,Phone_Number_1, Phone_Type_2,Phone_Number_2, Phone_Type_3,Phone_Number_3) as Phone, cnxpreference(2, "%D%", "%F%", Address_Type_1,contacts.Address_1, Address_Type_2,contacts.Address_2, Address_Type_3,contacts.Address_3) as Address,
	FROM Table1
II ≺ Record 1 of 0 > >	

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Compare the above with the original table, as shown in Microsoft Access.

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Company	Contact	Title	Phone_type_1	Phone_Number_	1 Phone_type_2	Phone_number_2	Phone_type_3	Phone_number_3	Address_	typ
Company1				PhoneNumber11	h	PhoneNumber21	0	PhoneNumber31	a	
	Contact2			PhoneNumber12	1	PhoneNumber22	p	PhoneNumber32	b	
Company3	Contact3	Title3	c	PhoneNumber13	j	PhoneNumber23	q	PhoneNumber33	c	
Company4				PhoneNumber14	k	PhoneNumber24	r	PhoneNumber34	d	
Company5				PhoneNumber15	1	PhoneNumber25	S	PhoneNumber35	8	
Company6				PhoneNumber16	m	PhoneNumber26	t	PhoneNumber36	f	
Company7	Contact7	Title7	g	PhoneNumber17	n	PhoneNumber27	u	PhoneNumber37	9	

**Note:** CNXPreference is a special CONNX function. It can only be used in CONNX views, or in passthrough queries.