

# Warehouse Management

ABC

Cal Movement Distance

Download

<https://github.com/chalermchony/ERP-for-Agri-Food>

## Lab 2.1

Q\_Total\_Customer\_SaleGroup\_Count

The diagram illustrates a many-to-many relationship between the 'Customers' and 'SaleGroup' tables. Both tables have a primary key column marked with an asterisk (\*). The 'Customers' table contains fields: Customer\_Code, Customer\_Name, and SaleGroup\_ID. The 'SaleGroup' table contains fields: SaleGroupID and SalesGroupName. A line with an arrow points from the SaleGroup\_ID field in the 'Customers' table to the SaleGroupID field in the 'SaleGroup' table, indicating the relationship.

Field:	Table:	Field:	Table:	Field:	Table:
SaleGroup_ID	Customers	SaleGroupName	SaleGroup	Customer_Code	Customers
Customer_Code		SaleGroup		Customer_Name	
Customer_Name		Group By		SaleGroup_ID	
SaleGroup_ID		Count			

Group By:

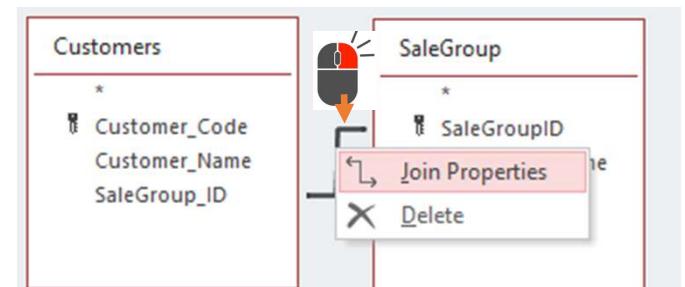
Q\_Total\_Customer\_SaleGroup\_Count

SaleGroup_ID	SalesGroupName	CountOfCusto
1	Asia	2
2	Central	191
3	Central/Food items	2
4	Central/Metropolitan	3
5	COCO/food item	2
6	Food items	6
7	Government&State En	2
8	Industrial	18
9	Metropolitan	136
10	North	2
11	Northeast	10
12	South	4

# Customer\_Detail (Query)

Lab 2.2

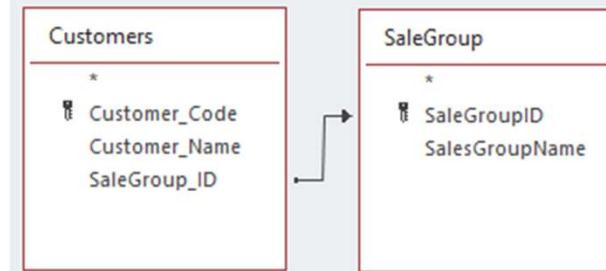
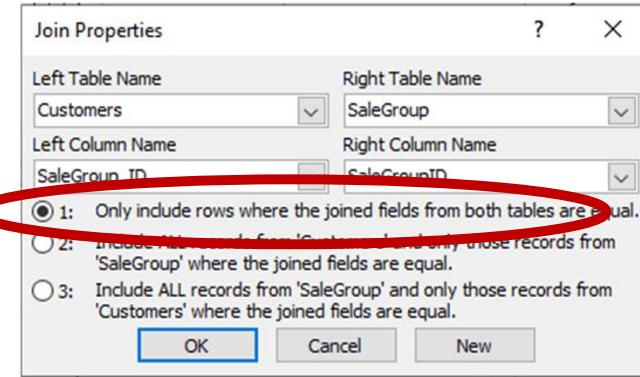
The screenshot shows the Microsoft Access ribbon. The 'Create' tab is highlighted with a yellow box and the number '1'. The 'Query Design' button in the 'Tables' section is also highlighted with a yellow box and the number '2'. Below the ribbon, the 'Tables' pane is open, showing a list of tables: Customers, Products, SaleGroup, SaleNote, SaleNote\_Detail, Total\_YM, Units, and WH\_Locations. The 'Customers' table is selected and highlighted with a pink box. In the main workspace, a query design window titled 'CustomerDetail' is open. It displays two tables: 'Customers' and 'SaleGroup'. A join line connects the 'SaleGroup\_ID' field in the 'Customers' table to the 'SaleGroupID' field in the 'SaleGroup' table. The 'Save' button is highlighted with a red circle and a mouse cursor. At the bottom of the query design window, there is a table with columns: Field, Table, Sort, Show, Criteria, and or:.



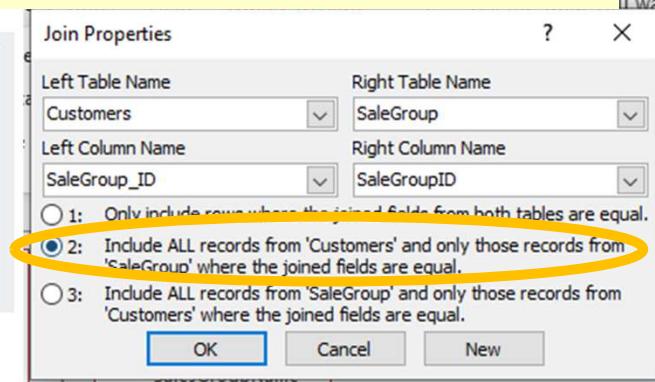
This screenshot shows the results of the 'CustomerDetail' query. The table has four columns: Customer\_Cod, Customer\_Nam, SaleGroup\_ID, and SalesGroupName. The data shows multiple entries for each customer, grouped by their sales group. The first few rows are:

Customer_Cod	Customer_Nam	SaleGroup_ID	SalesGroupName
CS-01	name CS-01	1	Asia
CS-02	name CS-02	1	Asia
CS-03	name CS-03	1	Asia
CS-05	name CS-05	2	Central
CS-08	name CS-08	2	Central
CS-102	name CS-102	2	Central
CS-107	name CS-107	2	Central
CS-112	name CS-112	2	Central
CS-118	name CS-118	2	Central
CS-12	name CS-12	2	Central

At the bottom, there are navigation buttons for 'Record', 'Search', and a 'No Filter' button.



กำหนดความสัมพันธ์ของข้อมูล ค้นหาข้อมูลที่ไม่มีค่า



CustomerDetail

Customer_Coc	Customer_Nar	SaleGroup_ID	SalesGroupName
CS-01	name CS-01	1	Asia
CS-02	name CS-02	1	Asia
CS-03	name CS-03	1	Asia
CS-05	name CS-05	2	Central
CS-08	name CS-08	2	Central
CS-102	name CS-102	2	Central
CS-107	name CS-107	2	Central
CS-112	name CS-112	2	Central
CS-118	name CS-118	2	Central
CS-12	name CS-12	2	Central
...	...	...	...

CustomerDetail

Customer_Coc	Customer_Nar	SaleGroup_ID	SalesGroupName
CS-96	name CS-96		
CS-97	name CS-97		
CS-98	name CS-98		
CS-99	name CS-99		
CS-01	name CS-01	1	Asia
CS-02	name CS-02	1	Asia
CS-03	name CS-03	1	Asia
CS-05	name CS-05	2	Central
CS-08	name CS-08	2	Central
CS-102	name CS-102	2	Central
CS-107	name CS-107	2	Central
CS-112	name CS-112	2	Central
CS-118	name CS-118	2	Central
CS-12	name CS-12	2	Central
CS-120	name CS-120	2	Central
CS-126	name CS-126	2	Central
...	...	...	...

Lab 2.2

# IsNull

ค้นหาลูกค้าที่ไม่กำหนด  
Sale Group

CustomerDetail

Join Properties

Left Table Name: Customers Right Table Name: SaleGroup  
Left Column Name: SalesGroup\_ID Right Column Name: SalesGroupID

2: Include ALL records from 'Customers' and only those records from 'SaleGroup' where the joined fields are equal.

OK Cancel New

Field:	Customer_Code	Customer_Name	SaleGroup_ID	SalesGroupName
Table:	Customers	Customers	Customers	SaleGroup
Sort:				
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:				IsNull

Lab 2.3

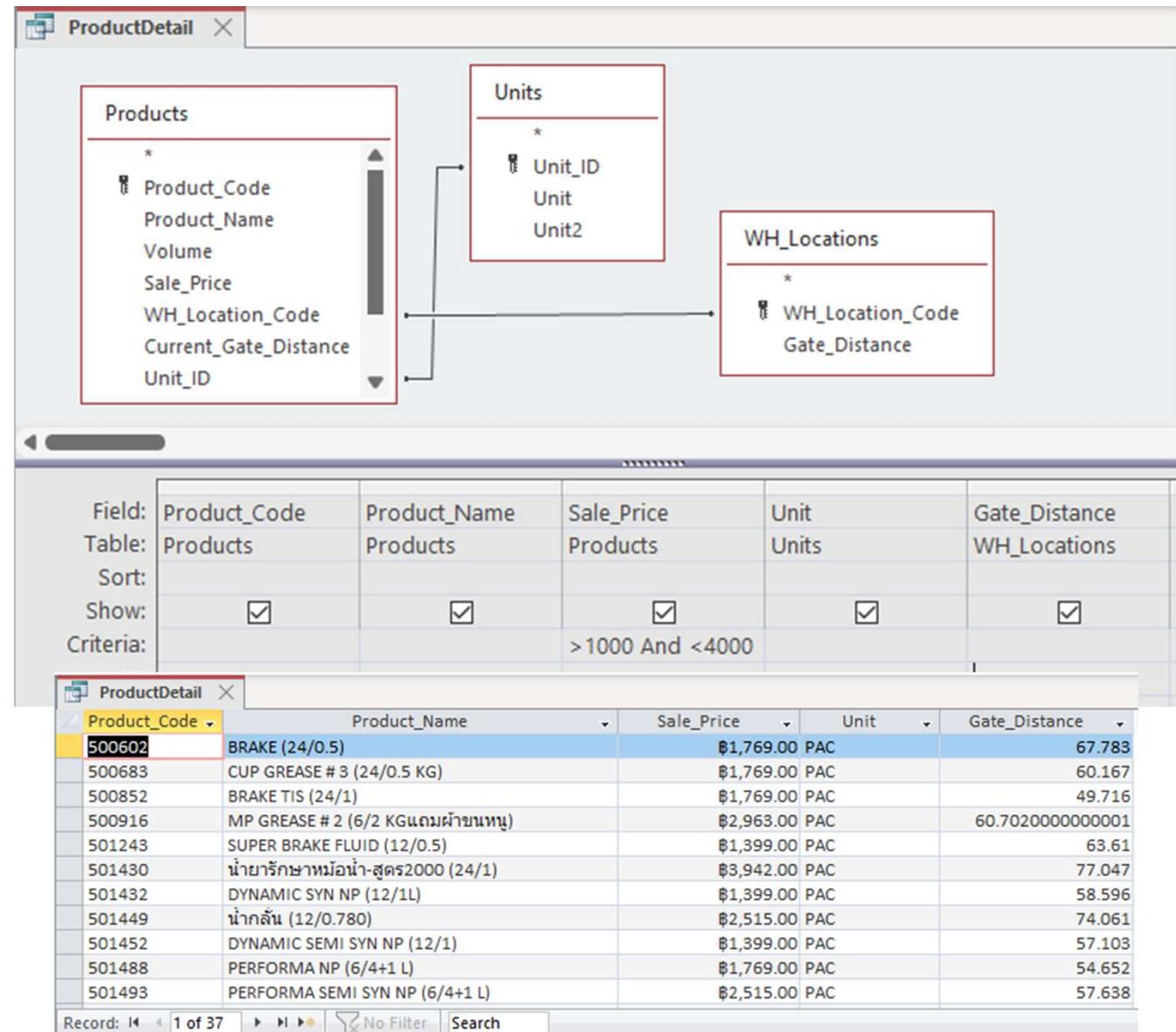
CustomerDetail

Customer_Cod	Customer_Nam	SaleGroup_ID	SalesGroupName
CS-96	name CS-96		
CS-97	name CS-97		
CS-98	name CS-98		
CS-99	name CS-99		
*			

<1000 AND < 4000

สินค้าที่มีราคาระหว่าง  
1000 ถึง 4000

Lab 2.4



**Sale\_TotalLine**

```

    graph LR
        SaleNote -->|SaleNote_ID| SaleNote_Detail
        SaleNote -->|Customer_Code| Customers
        SaleNote_Detail -->|SaleNote_Detail_ID| SaleNote_Detail
        SaleNote_Detail -->|Product_Code| Products
        Customers -->|Customer_Code| SaleNote_Detail
        Products -->|Product_Code| SaleNote_Detail
    
```

**TotalSale**

Field:	SaleNote_No	Sale_Date	Customer_Name	Product_Name	Sale_Qty	Sale_Price	TotalSale
Table:	SaleNote	SaleNote	Customers	Products	SaleNote_Det	Products	
Sort:							
Show:	<input checked="" type="checkbox"/>						
Criteria:							
or:							

**Expression Builder**

Enter an Expression to define the calculated query field:  
(Examples of expressions include [field1] + [field2] and [field1] < 5)

TotalLine : [SaleNote\_Detail]![Sale\_Qty] \* [Products]![Sale\_Price]

**Expression Elements**

- Warehouse\_ABC\_SIM.
  - Tables
    - Customers
    - Products
    - SaleGroup
    - SaleNote
    - SaleNote\_Detail
    - Total\_YM

**Expression Categories**

- ABC\_Class
- Current\_Gate\_Distance
- Product\_Code
- Product\_Name
- Sale\_Price
- Sim\_Gate\_Distance
- Sim\_WH\_Location\_Code
- Unit\_ID
- Volume
- WH\_Location\_Code

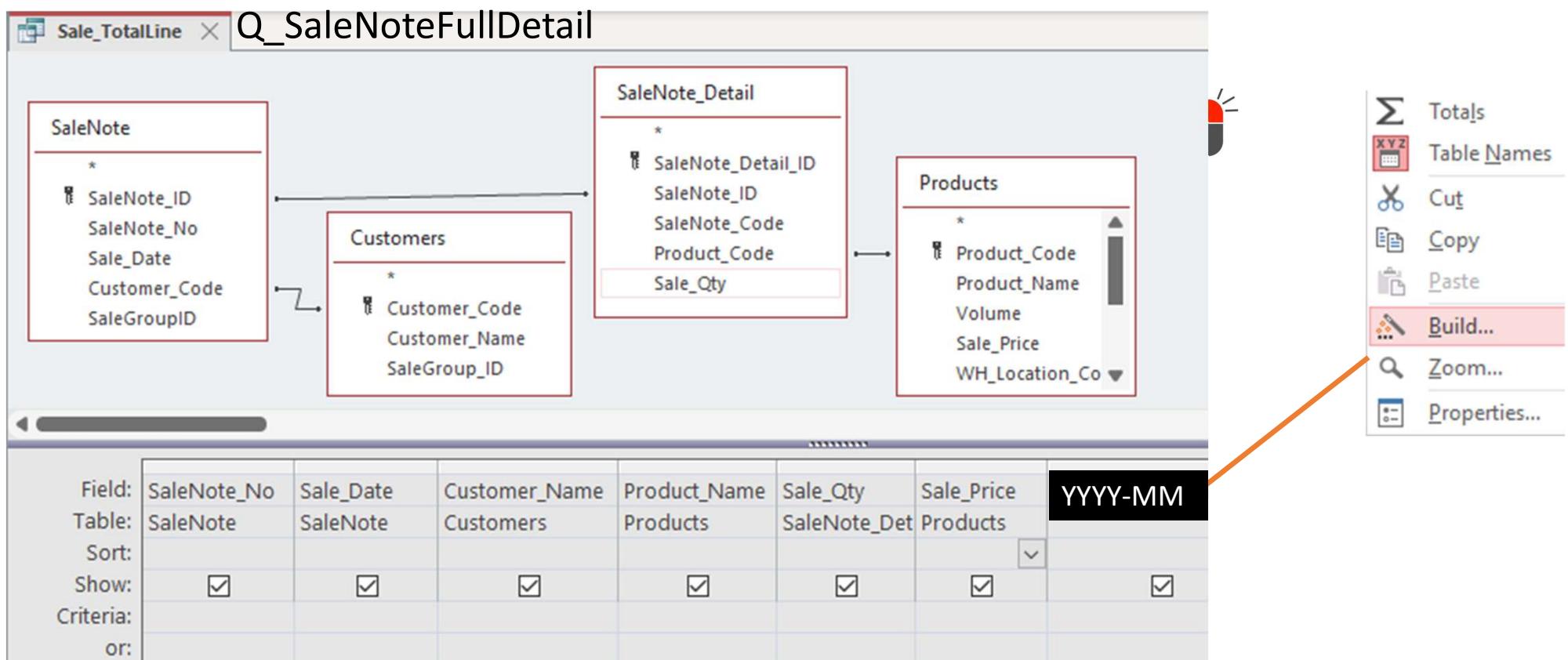
**Expression Values**

<Value>

**Lab 2.5**

**TotalSale** ยอดเงิน = จำนวน X ราคาสินค้า

TotalSale : [SaleNote\_Detail]![Sale\_Qty]\*[Products]![Sale\_Price]



เพิ่มช่องข้อมูล แสดง ปี-เดือน

Lab 2.5

YYYY-MM: Format([SaleNote]![Sale\_Date],"yyyy-mm")

**สรุปยอดขายสินค้า**

```

    graph LR
        A["SaleNote_Detail  
*  
SaleNote_Detail_ID  
SaleNote_ID  
SaleNote_Code  
Product_Code  
Sale_Qty"] --> B["Products  
*  
Product_Code  
Product_Name  
Volume  
Sale_Price  
WH_Location_Code"]
    
```

**TotalSale**

Field:	Product_Code	Product_Name	Sale_Qty	TotalSale
Table:	SaleNote_Detail	Products	SaleNote_Detail	
Sort:				
Show:	<input checked="" type="checkbox"/>			
Criteria:	or:			

**Lab 2.6**

Product_Code	Product_Name	Sale_Qty	TotalLine
500600	BRAKE (24/1)	1	4524
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	6	10614
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	5	8845
500602	BRAKE (24/0.5)	20	35380
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	2	3538
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	1	1769
500681	CUP GREASE # 3 (6/2 KG)	1	4845
500681	CUP GREASE # 3 (6/2 KG)	1	4845
500683	CUP GREASE # 3 (24/0.5)	1	1769
500691	CHASSIS GREASE # 2 (6/2	1	4158
500693	CHASSIS GREASE # 2 (24)	1	5569
500749	ทัวเรซ์เดช		
500749	ทัวเรซ์เดช		
500749	ทัวเรซ์เดช		
500749	ทัวเรซ์เดช (48/0.17)	2	11734
500749	ทัวเรซ์เดช (48/0.17)	2	11734

Record: 14 52 of 6623 ▶ No Filter Search

**Query Design**

Tell me what you want to do

Union  
Pass-Through  
Data Definition  
Add Tables  
Insert Rows  
Delete Rows  
Delete Columns  
Builder  
Return: All

**Totals**

**TotalSale**

**Lab 2.6**

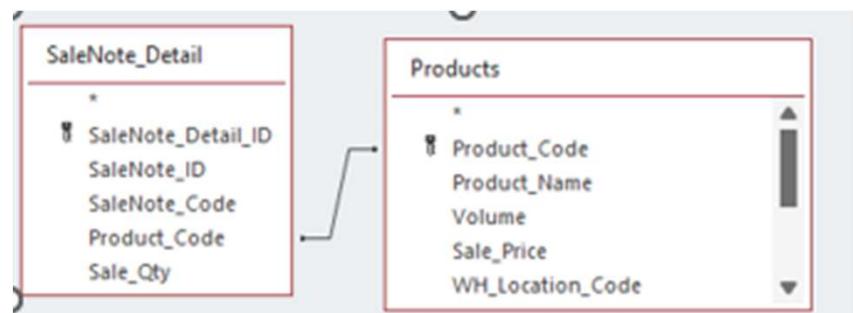
**TotalSale : [SaleNote\_Detail]![Sale\_Qty]\*[Products]![Sale\_Price]**

Product_Code	Product_Name	Sale_Qty	TotalSale
500600	BRAKE (24/1)	52	339300
500602	BRAKE (24/0.5)	12	68991
500681	CUP GREASE # 3 (6/2 KG)	2	9690
500683	CUP GREASE # 3 (24/0.5 KG)	1	1769
500691	CHASSIS GREASE # 2 (6/2 KG)	1	4158
500693	CHASSIS GREASE # 2 (24/0.5 KG)	1	5569
500852	BRAKE TIS (24/1)	6	14152
500854	BRAKE TIS (24/0.5)	11	106590

TotalSale

Field:	Product_Code	Product_Name	Sale_Qty	LotalLine: [SaleNote_Detail]![Sale_Qty]*[Products]![Sale_Price]
Table:	SaleNote_Detail	Products	SaleNote_Detail	
Total:	Group By	Group By	Count	Sum
Sort:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Show:	<input checked="" type="checkbox"/>			

Product_Code	Product_Name	Sale_Qty	LotalLine
500600	BRAKE (24/1)	1	4524
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	6	10614
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	5	8845
500602	BRAKE (24/0.5)	20	35380
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	2	3538
500602	BRAKE (24/0.5)	1	1769
500602	BRAKE (24/0.5)	1	1769
500681	CUP GREASE # 3 (6/2 KG)	1	4845
500681	CUP GREASE # 3 (6/2 KG)	1	4845
500683	CUP GREASE # 3 (24/0.5)	1	1769
500691	CHASSIS GREASE # 2 (6/2	1	4158
500693	CHASSIS GREASE # 2 (24/	1	5569
500749	ทัวเชือดีเซล (48/0.17)	1	5867
500749	ทัวเชือดีเซล (48/0.17)	1	5867
500749	ทัวเชือดีเซล (48/0.17)	2	11734
500749	ทัวเชือดีเซล (48/0.17)	2	11734



Total => Group By

Lab 2.6

Product_Code	Product_Name	CountOfSale_I	TotalSale
500600	BRAKE (24/1)	52	339300
500602	BRAKE (24/0.5)	12	68991
500681	CUP GREASE # 3 (6/2 KG)	2	9690
500683	CUP GREASE # 3 (24/0.5 KG)	1	1769
500691	CHASSIS GREASE # 2 (6/2 KG)	1	4158
500693	CHASSIS GREASE # 2 (24/0.5 KG)	1	5569
500749	ทัวเชือดีเซล (48/0.17)	87	1237937
500759	น้ำยาล้างหม้อน้ำ (24/0.5)	3	17601
500852	BRAKE TIS (24/1)	6	14152
500854	BRAKE TIS (24/0.5)	11	106590

TotalSale : [SaleNote\_Detail]![Sale\_Qty]\*[Products]![Sale\_Price]

**SaleNote\_Detail**

- \* SaleNote\_Detail\_ID
- SaleNote\_ID
- SaleNote\_Code
- Product\_Code
- Sale\_Qty

**Products**

- \* Product\_Code
- Product\_Name
- Volume
- Sale\_Price
- WH\_Location\_Code

Field:	Product_Code	Product_Name	Sale_Qty	TotalSale
Table:	SaleNote_Detail	Products	SaleNote_Detail	
Total:	Group By	Group By	Count	Sum
Sort:				Descending
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**TotalSale : [SaleNote\_Detail]![Sale\_Qty]\*[Products]![Sale\_Price]**

Product_C	Product_Name	CountOfSale_I	TotalLine
502073	DYNAMIC PREM NP(4/6+1+LS GEAR OIL1L/P.	497	51931906
502294	น้ำกันลื่น (BATTERY FLUID) (12/1)	462	17826117
501595	V-120D # 40 NP (6/5)	248	17098176
502021	DYNAMIC COMMONRAIL NP(4/6L+1L+เสื้อยืด)	278	16926611
501524	DYNAMIC TURBO NP (4/6+1 L)	276	15649472
501515	DYNAMIC PLUS 20W-50 NP (4/6+1 L)	172	13517118
501631	HI-SPEED 2T NP (20/1)	197	12800725
501633	HI-SPEED 2T NP (20/0.5)	201	8579592
501493	PERFORMA SEMI SYN NP (6/4+1 L)	297	8053030
501597	V-120D # 40 NP (20/1)	293	7312684

Record: 10 of 10 | No Filter | Search

ยอดขายเรียงจากมากไปน้อย 10 ลำดับแรก

LotalLine: [SaleNo

Sum

Descending

Ascending

Descending

(not sorted)

Insert Columns

Delete Columns

Return: 10

Totals

Lab 2.7

Return: 10

5

25

100

5%

25%

All

Lab 2.8

สรุปยอดรวมสินค้า เรียงจากมากไปน้อย

Total\_ProductSale

SaleNote_Detail		Products	
*	SaleNote_Detail_ID	*	Product_Code
	SaleNote_ID		Product_Name
	SaleNote_Code		Volume
	Product_Code		Sale_Price
	Sale_Qty		WH_Location_Code
			Unit_ID
			ABC_Class
			Sim_WH_Location_Code

Field: Product\_Code  
Table: SaleNote\_Detail  
Total: Group By  
Sort: Descending  
Show:   
Criteria: or:

Field: Product\_Name  
Table: Products  
Total: Count  
Sort: Descending  
Show:   
Criteria: or:

Field: SaleNote\_ID  
Table: SaleNote\_Detail  
Total: Expression  
Sort: Descending  
Show:   
Criteria: or:

Field: TotalSale: Sum([SaleNote\_Detail]![Sale\_Qty]\*[Products]![Sale\_Price])  
Table: ABC: UDF\_ABC([TotalSale],1896320)  
Total: Expression  
Sort: Expression  
Show:   
Criteria: or:

Total\_ProductSale

Product_Code	Product_Name	CountOfSaleN	TotalSale	ABC
502073	DYNAMIC PREM NP(4/6+1+LS GEAR OIL1L/PAC)	493	51931906 A	
502294	น้ำกลั่น (BATTERY FLUID) (12/1)	457	17826117 A	
501595	V-120D # 40 NP (6/5)	247	17098176 A	
502021	DYNAMIC COMMONRAIL NP(4/6L+1L+เสื้อยืด)	274	16926611 A	
501524	DYNAMIC TURBO NP (4/6+1 L)	274	15649472 A	
501515	DYNAMIC PLUS 20W-50 NP (4/6+1 L)	170	13517118 A	
501631	HI-SPEED 2T NP (20/1)	195	12800725 A	
501633	HI-SPEED 2T NP (20/0.5)	199	8579592 A	
501493	PERFORMA SEMI SYN NP (6/4+1 L)	295	8053030 A	

**Total\_ProductSale\_YYYY-MM**

```

    graph LR
      SN[SaleNote] --> SND[SaleNote_Detail]
      SND --> P[Products]
  
```

**Lab 2.9**

**สรุปยอดรวมสินค้าต่อเดือน เรียงจากมากไปน้อย**

Field:	Table:	Total:	Show:	Criteria:
YYYY-MM: Format([SaleNote]![Sale_Date], 'yyyy-mm')	SaleNote	Group By		
	SaleNote_Detail	Group By		
	Products	Group By		
		Count		
			Expression	
			Descending	

**Total\_ProductSale\_Monthly**

YYYY-MM	Product_Code	Product_Name	CountOfSaleN	TotalSale
2022-05	502073	DYNAMIC PREM NP(4/6+1+LS GEAR OIL1L/PAC)	493	50882088
2022-05	502294	น้ำกันลื่น (BATTERY FLUID) (12/1)	457	17577024
2022-05	501595	V-120D # 40 NP (6/5)	247	17078568
2022-05	502021	DYNAMIC COMMONRAIL NP(4/6L+1L+เสือยีด)	274	16538042
2022-05	501524	DYNAMIC TURBO NP (4/6+1 L)	274	15555896
2022-05	501515	DYNAMIC PLUS 20W-50 NP (4/6+1 L)	170	13418568
			195	12726420
			199	8471584
			295	7995185

YYYY-MM: Format([SaleNote]![Sale\_Date], "yyyy-mm")

## Lab 2.10

Diagram showing the relationship between four tables:

- Customers**: Contains fields Customer\_Code, Customer\_Name, SaleGroup\_ID.
- SaleNote**: Contains fields SaleNote\_ID, SaleNote\_No, Sale\_Date, Customer\_Code, SaleGroupID.
- SaleNote\_Detail**: Contains fields SaleNote\_Detail\_ID, SaleNote\_ID, SaleNote\_Code, Product\_Code, Sale\_Qty.
- Products**: Contains fields Product\_Code, Product\_Name, Volume, Sale\_Price, WH\_Location\_Code, Unit ID.

Relationships:

- Customers is connected to SaleNote via Customer\_Code.
- SaleNote is connected to SaleNote\_Detail via SaleNote\_ID.
- SaleNote\_Detail is connected to Products via Product\_Code.

Query configuration:

Field:	YYYY-MM: Format([Sale_Date], "yyyy-mm")	Customer_Name	SaleNote_ID	TotalSale: Sum([SaleNote_Detail]![Sale_Qty]*[Products]![Sale_Price])
Table:		Customers	SaleNote_Detail	
Total:	Group By	Group By	Count	Expression
Sort:				Descending
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:	YYYY-MM: Format([SaleNote]![Sale_Date], "yyyy-mm")			
or:				

YYYY-MM	Customer_Name	CountOfSaleN	TotalSale
2022-05	name CS-266	5	2639352
2022-05	name CS-177	11	2550345
2022-05	name CS-233	4	1857475
2022-05	name CS-201	3	1713236
2022-05	name CS-146	1	1694680
2022-05	name CS-322	17	1418710
2022-05	name CS-107	15	988826

สรุปยอดรวมลูกค้าต่อเดือน เรียงจากมากไปน้อย

- ปี / เดือน / ลูกค้า / ยอดรวม มูลค่าสินค้า - ความถี่ จำนวนครั้ง
- ปี / เดือน / สินค้า / ยอดรวม มูลค่าสินค้า - ความถี่ จำนวนครั้ง
- ปี / สินค้า / มูลค่า – แยกกลุ่ม ABC
- ปี / สินค้า / ความถี่ – แยกกลุ่ม Fast Medium slow
- Season

AutoSave Off UDF\_ABC.xlsm Search (Alt+Q)

File Home Insert Draw Page Layout Formulas Data Review View **Developer** Help

Visual Basic Macros Record Macro Use Relative References Macro Security

Add-ins Add-ins Add-ins Insert Design Mode View Code Run Dialog

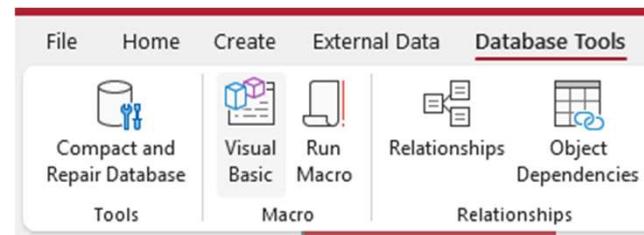
Source

E3 :  $=\text{UDF\_ABC}(\text{D3},\$D\$3)$

	A	B	C	D	E
1					
2	Product_Code	Product_Name	CountOfSale	TotalLine	ABC
3	502252	YANMAR ENGINE OIL (6/3 L)	2	1896320	A
4	502150	PERFORMA SUPERSYN NP(4/4+ໂທຣສັບຫ່າງສາຍ)	1	1694680	A
5	502073	DYNAMIC PREM NP(4/6+1+LS GEAR OIL1L/PAC)	1	1636080	A
6	502073	DYNAMIC PREM NP(4/6+1+LS GEAR OIL1L/PAC)	1	1363400	A
7	501595	V-120D # 40 NP (6/5)	1	1307200	A

ยอดขายสูงสุด 51,931,906/3  
= 17,310,635 (17.3 ล้าน)

A < 17.3  
B >= 17.3 AND < 34.6  
C > 34.6

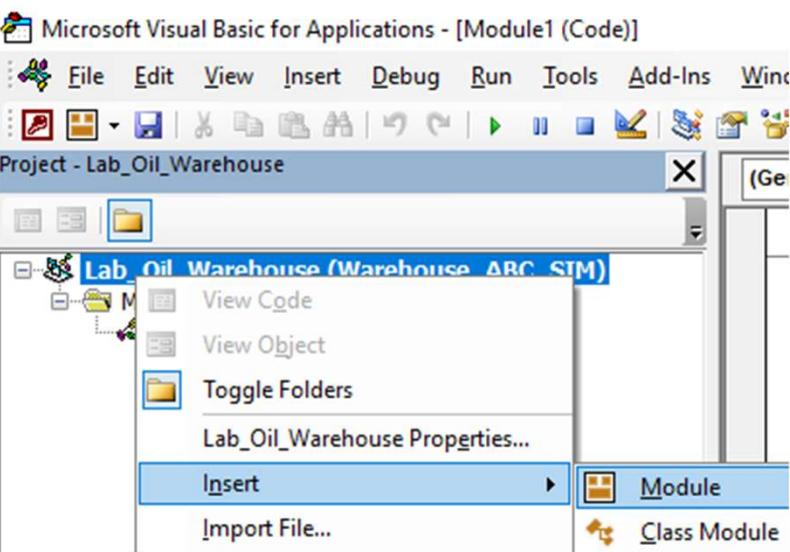


The screenshot shows the Microsoft Visual Basic for Applications (VBA) editor. The title bar says 'Microsoft Visual Basic for Applications - [Module1 (Code)]'. The left pane shows a project tree for 'Project - Lab\_Oil\_Warehouse' with a folder 'Lab\_Oil\_Warehouse' containing 'Modules' and 'Module1'. The right pane is titled '(General)' and contains the following VBA code:

```
Function UDF_ABC(Data As Variant, MaxValue As Variant)
    Dim Step, ABC
    Step = MaxValue / 3
    If Data < Step Then ABC = "C"
    If Data >= Step And Data < (Step * 2) Then ABC = "B"
    If Data >= (Step * 2) Then ABC = "A"

    UDF_ABC = ABC

End Function
```



```
Function UDF_ABC(Data As Variant, MaxValue As Variant)
    Dim Step, ABC
    Step = MaxValue / 3
    If Data < Step Then ABC = "C"
    If Data >= Step And Data < (Step * 2) Then ABC = "B"
    If Data >= (Step * 2) Then ABC = "A"

    UDF_ABC = ABC

End Function
```

# ABC Class

**Total\_ProductSale**

```

graph LR
    SD[SaleNote_Detail] --> P[Products]
    SD <--> P
  
```

SaleNote_Detail		Products	
*		*	
<input type="checkbox"/>	SaleNote_Detail_ID	<input type="checkbox"/>	Product_Code
	SaleNote_ID		Product_Name
	SaleNote_Code		Volume
	Product_Code		Sale_Price
	Sale_Qty		WH_Location_Code

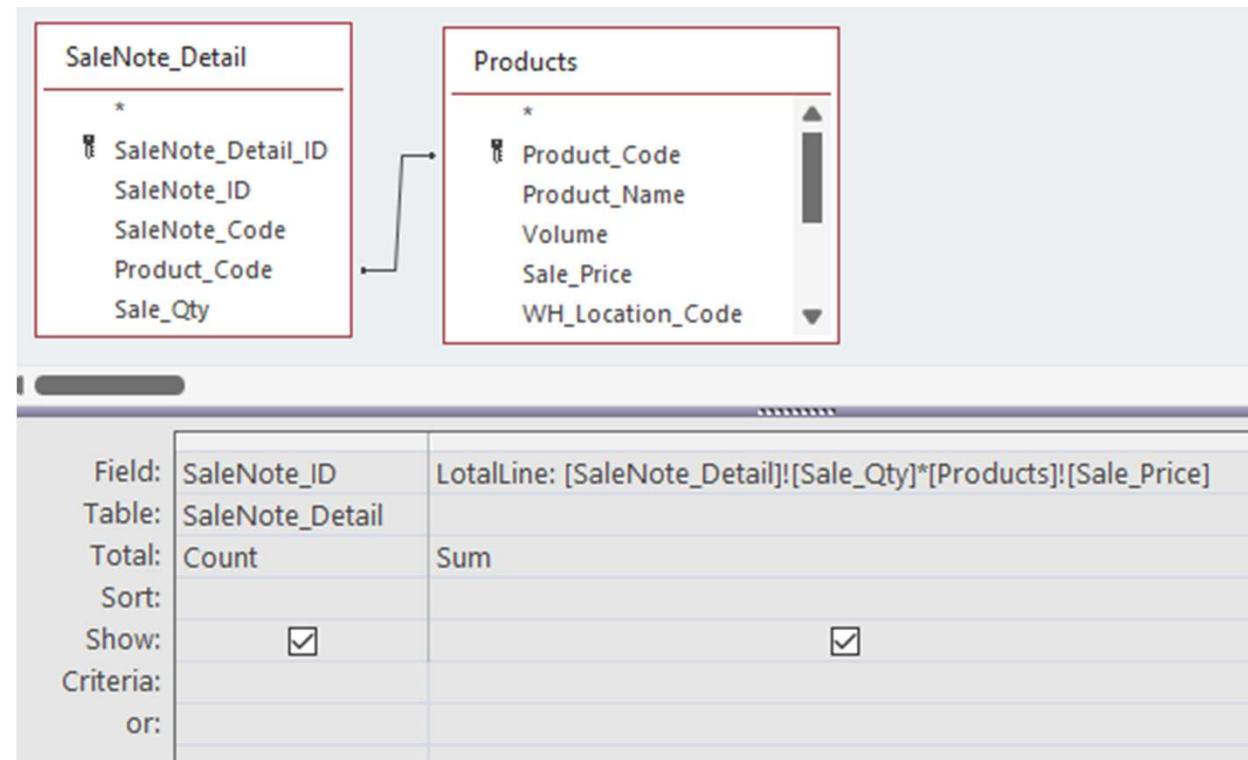
  

Field:	Product_Code	Product_Name	SaleNote_ID	TotalSale: [SaleNote_Detail]![Sale_Qty]*[Products]![Sale_Price]	ABC: UDF_ABC([TotalSale],1896320)
Table:	SaleNote_Detail	Products	SaleNote_Detail		
Total:	Group By	Group By	Count	Group By	Expression
Sort:				Descending	
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:					

Product_Id	Product_Name	CountOfSaleN	TotalSale	Category
502150	PERFORMA SUPERSYN NP(4/4+ໂທຣດັ່ງໄຣສ	1	1694680	A
502073	DYNAMIC PREM NP(4/6+1+LS GEAR OIL1L/P.	1	1636080	A
502073	DYNAMIC PREM NP(4/6+1+LS GEAR OIL1L/P.	1	1363400	A
501595	V-120D # 40 NP (6/5)	1	1307200	A
502073	DYNAMIC PREM NP(4/6+1+LS GEAR OIL1L/P.	2	1227060	B
501515	DYNAMIC PLUS 20W-50 NP (4/6+1 L)	1	1182600	B
501637	MAX SPEED 2T NP (20/0.5)	1	1031550	B
502073	DYNAMIC PREM NP(4/6+1+LS GEAR OIL1L/P.	4	1022550	B
502150	PERFORMA SUPERSYN NP(4/4+ໂທຣດັ່ງໄຣສ	2	977700	B
502122	PERFORMA NGV NP (6/4 L)	1	880050	B
502073	DYNAMIC PREM NP(4/6+1+LS GEAR OIL1L/P.	1	818040	B
501515	DYNAMIC PLUS 20W-50 NP (4/6+1 L)	1	788400	B
501637	MAX SPEED 2T NP (20/0.5)	1	722085	B
501631	HI-SPEED 2T NP (20/1)	3	675500	B
501524	DYNAMIC TURBO NP (4/6+1 L)	3	668400	B

TotalSale: [SaleNote\_Detail]![Sale\_Qty]\*[Products]![Sale\_Price]

มูลค่ารวม 259,254,744



CountOfSaleN	TotalLine
5563	259254744

# Warehouse Management

## Calculate Movement Distances

Download

<https://github.com/chalermchonv/ERP-for-Agri-Food>

# Update

Screenshot of Microsoft Access Query Design mode showing an update query.

The ribbon bar shows "Query Design" is selected. The "Query Type" dropdown menu is open, with "Update Query" highlighted.

The "Tables" pane shows the "Products" table selected.

The "Products" table is displayed in the query design grid. Fields are highlighted with red and green boxes:

- Red box highlights: WH\_Location\_Code, Current\_Gate\_Distance, Unit\_ID, ABC\_Class.
- Green box highlights: Sim\_WH\_Location\_Code, Sim\_Gate\_Distance.

A red circle with an arrow points from the "WH\_Location\_Code" field to the "Sim\_WH\_Location\_Code" field, indicating the field to be updated.

The "Update To:" row in the query grid is highlighted with a red box and contains the expression: [WH\_Location\_Code].

Field:	Table:	Update To:	Criteria:
Sim_WH_Location_Code	Products	[WH_Location_Code]	or:

# New\_Loc\_Distance

**New\_Loc\_Distance**

```

    erDiagram
        SaleNoteDetail ||--o| Products : " "
        SaleNoteDetail ||--o| WHLocations : " "
        SaleNoteDetail ||--o| WHLocations1 : " "
        Products ||--o| WHLocations : " "
        Products ||--o| WHLocations1 : " "
    }
  
```

**SaleNote\_Detail**

- \* SaleNote\_Detail\_ID
- SaleNote\_ID
- SaleNote\_Code
- Product\_Code
- Sale\_Qty

**Products**

- \* Product\_Code
- Product\_Name
- Volume
- Sale\_Price
- WH\_Location\_Code
- Unit\_ID
- ABC\_Class
- Sim\_WH\_Location\_Code

**WH\_Locations**

- \*
- WH\_Location\_Code
- Gate\_Distance

**WH\_Locations\_1**

- \*
- WH\_Location\_Code
- Gate\_Distance

Field:	SaleNote_ID	SaleNote_Code	Old_Loc: Gate_Distance	New_Loc: Gate_Distance
Table:	SaleNote_Detail	SaleNote_Detail	WH_Locations	WH_Locations_1
Total:	Group By	Group By	Max	Max
Sort:				
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:				

Sort & Filter

Totals

**New\_Loc\_Distance**

SaleNote_ID	SaleNote_Cod	Old_Loc	New_Loc
	8003476596	55	55
	8003483987	76	76
	8003494796	68	68
	8003503762	77	77
	8003504173	76	76
	8003550903	76	76
1	8003453205	50	50
2	8003453210	50	50
3	8003453218	45	45
4	8003453230	77	77
5	8003453237	54	54
6	8003453311	65	65
7	8003453313	68	68
8	8003453323	54	54
9	8003453437	70	70
10	8003453555	54	54
11	8003453581	54	54
12	8003453804	62	62
13	8003453805	76	76
14	8003453994	76	76
15	8003454014	76	76
16	8003454149	77	77
17	8003454156	76	76
18	8003454262	60	60
19	8003454263	42	42
20	8003454264	56	56
21	8003454571	56	56
Total		74268	74268

Record: 1 of 1088 | No Filter | Search

File Home **Create** External Data Database Tools Help Tell me what you want to do

Application Parts **Tables** SharePoint Lists **Queries**

Table Design Form Wizard Form Design Blank Form More Forms

Templates Tables Queries Forms

## Tables

Search...

- Customers
- Products

Products

Product_Code	Product_Name	Volume	Price	WH_Location_Code	Unit_ID	ABC_Class	Sim_WH_Location_Code
500600	BRAKE (24/1)	24/1	##	AL4-1	2		AL4-1
500602	BRAKE (24/0.5)	24/0.5	##	AR5-20	2		AR5-20
500681	CUP GREASE # 3 (6/2 KG)	6/2	##	AL4-13	2		AL4-13
500683	CUP GREASE # 3 (24/0.5)	24/0.5	##	AL4-12	2		AL4-12
500691	CHASSIS GREASE # 2	6/2	##	AL4-10	2		AL4-10
500693	CHASSIS GREASE # 2	24/0.5	##	AL4-9	2		AL4-9
500749	ท่อสีดีเซล (48/0.17)	48/0.17	##	AR3-18	2		AR3-18
500759	น้ำมันเครื่อง เชื้อเพลิง (24/0.5)	24/0.5	##	AR3-19	2		AR3-19
500852	BRAKE TIS (24/1)	24/1	##	AL4-4	2		AL4-4

Record: 14 of 109 > No Filter Search

Form Wizard

Which fields do you want on your form?

You can choose from more than one table or query.

Tables/Queries

Table: Products

Available Fields: Selected Fields:

Product_Code
Product_Name
<b>Volume</b>
Sale_Price
WH_Location_Code
Unit_ID
ABC_Class
Sim_WH_Location_Code

> >> < <<

Cancel < Back **Next >** Finish

Form Wizard

What layout would you like for your form?

Tabular

Columnar

Datasheet

Justified

Cancel < Back **Next >** Finish

Filter A↓ Ascending Selection v  
Z↓ Descending Advanced v  
A↔ Remove Sort Toggle Filter

Refresh All v Delete More v

Find Totals abc Spelling

Find Go To... Build Event...  
Build...  
Find Change To...  
Tab Order...  
Cut  
Copy  
Paste  
Paste Formatting  
Insert Merge/Split  
Layout Select Entire Row

Text Box Label List Box Combo Box  
Check Box Toggle Button Option Button Image Command But

**Products**

Form Header Products

Product_Code	Product_Name	Volume	Sale_Price	WH_Location_C
1	Product 1	100	10.00	1
2	Product 2	200	20.00	2
3	Product 3	300	30.00	3
4	Product 4	400	40.00	4
5	Product 5	500	50.00	5
6	Product 6	600	60.00	6
7	Product 7	700	70.00	7
8	Product 8	800	80.00	8
9	Product 9	900	90.00	9
10	Product 10	1000	100.00	10
11	Product 11	1100	110.00	11
12	Product 12	1200	120.00	12
13	Product 13	1300	130.00	13
14	Product 14	1400	140.00	14
15	Product 15	1500	150.00	15

Detail Product\_Code Product\_Name Volume Sale\_Price WH\_Location\_C

Form Footer

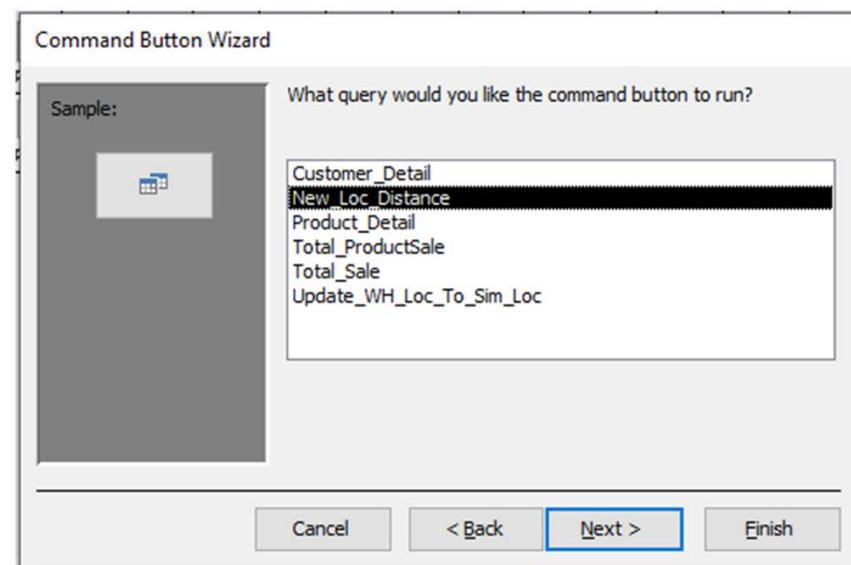
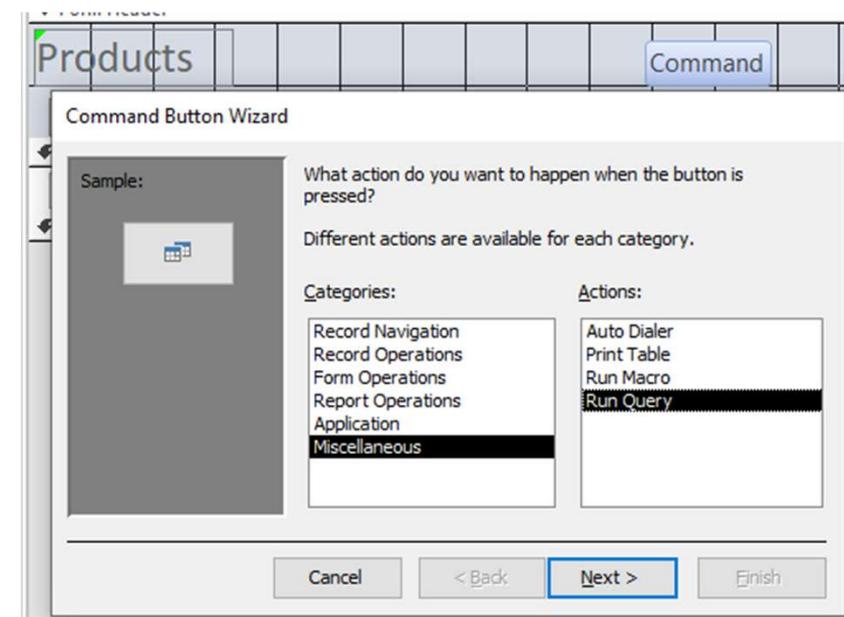
Property Sheet

Selection type: Combo Box

WH_Location_Code	
Format	Data
Control Source	WH_Location_Code
Row Source	WH_Locations
Row Source Type	Table/Query
Bound Column	1
Limit To List	No

WH\_Locations

Customer_Detail
Customers
New_Loc_Distance
Product_Detail
Products
SaleGroup
SaleNote
SaleNote_Detail
Table1
Total_ProductSale
Total_Sale
Total_YM
Units
WH_Locations



Products

Product\_Code Product\_Name Volume Sale\_Price WH\_Location\_Co Unit\_ID ABC\_Class Sim\_WH\_Loca

500600	BRAKE (24/1)	24/1	\$4,524.00	AL4-1	PAC	AL4-1
500602	BRAKE (24/0.5)	24/0.5	\$1,769.00	AR5-20	PAC	AR5-20
500681	CUP GREASE # 3 (6/2 l)	6/2	\$4,845.00	AL4-13	PAC	AL4-13
500683	CUP GREASE # 3 (24/0)	24/0.5	\$1,769.00	AL4-12	PAC	AL4-12
500691	CHASSIS GREASE # 2 (	6/2	\$4,158.00	AL4-10	PAC	AL4-10

Products X New\_Loc\_Distance X

SaleNote_ID	SaleNote_Cod	Old_Loc	New_Loc
1	8003476596	55	55
2	8003483987	76	76
3	8003494796	68	68
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