

# **PROJECT BY- SUMIT JANMEJAY YADAV**

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**This project focuses on developing an efficient inventory management system using SQL. The primary aim is to analyze and manage inventory levels, track stock movements, and optimize supply chain operations to ensure that products are available when needed while minimizing holding costs.**

**The dataset encompasses various attributes, including product details, stock quantities, supplier information, and transaction history. By employing SQL queries, we will perform key operations such as joins to consolidate data from multiple tables, subqueries to extract specific insights, and aggregate functions to monitor inventory performance over time.**

**This project will demonstrate the importance of data-driven decision-making in inventory management, allowing businesses to streamline operations, reduce waste, and enhance customer satisfaction. Ultimately, the findings and analysis presented will serve as a valuable resource for stakeholders looking to improve their inventory practices through effective database management and querying techniques.**

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# Inventory management system

- **Objective**

To develop a comprehensive inventory management system that enhances the accuracy and efficiency of inventory tracking, optimizes stock management, and provides real-time insights into inventory levels and sales trends, ultimately leading to improved decision-making and cost savings for the organization

## Components:

**Address:** this table contain the information of region name ,country name ,state, city ,postal code ,warehouse address ,warehouse name of warehouse

**Customer:** this table contain the information of customer name, customer address, customer email, Customer phone, status, order date, per price unit and total item quantity and order id.

**Employee:** this table contain the information about employee where employee name, employee email Employee phone, employee hir date, employee job title, order id.

**Product:** this table contain the information about product where category of product, product name, Product standard cost, profit , product list price and order id.

## Functionality:

**warehouse management** for tracking and organizing storage locations, and **customer management** for handling customer records and order histories. Implement **employee management** to oversee staff details and performance related to orders. The **product management** feature will allow for easy addition, updating, and categorization of inventory items. Additionally, integrate **order processing** to create and update orders while calculating total values. **Inventory tracking** will monitor stock levels and trigger alerts for low inventory. Finally, provide **sales reporting** capabilities to analyze trends and performance metrics, ensuring data integrity and security throughout the system.

## Aim

The aim of this inventory management system project is to develop a comprehensive, efficient, and user-friendly solution that streamlines the tracking and management of inventory, orders, customers, and employees. The system seeks to provide real-time visibility into stock levels, facilitate effective order processing, and enhance decision-making through detailed analysis and reporting capabilities. Ultimately, the project aims to improve operational efficiency, reduce costs, and enhance customer satisfaction by ensuring timely and accurate inventory management.

# ER DAIGRAM

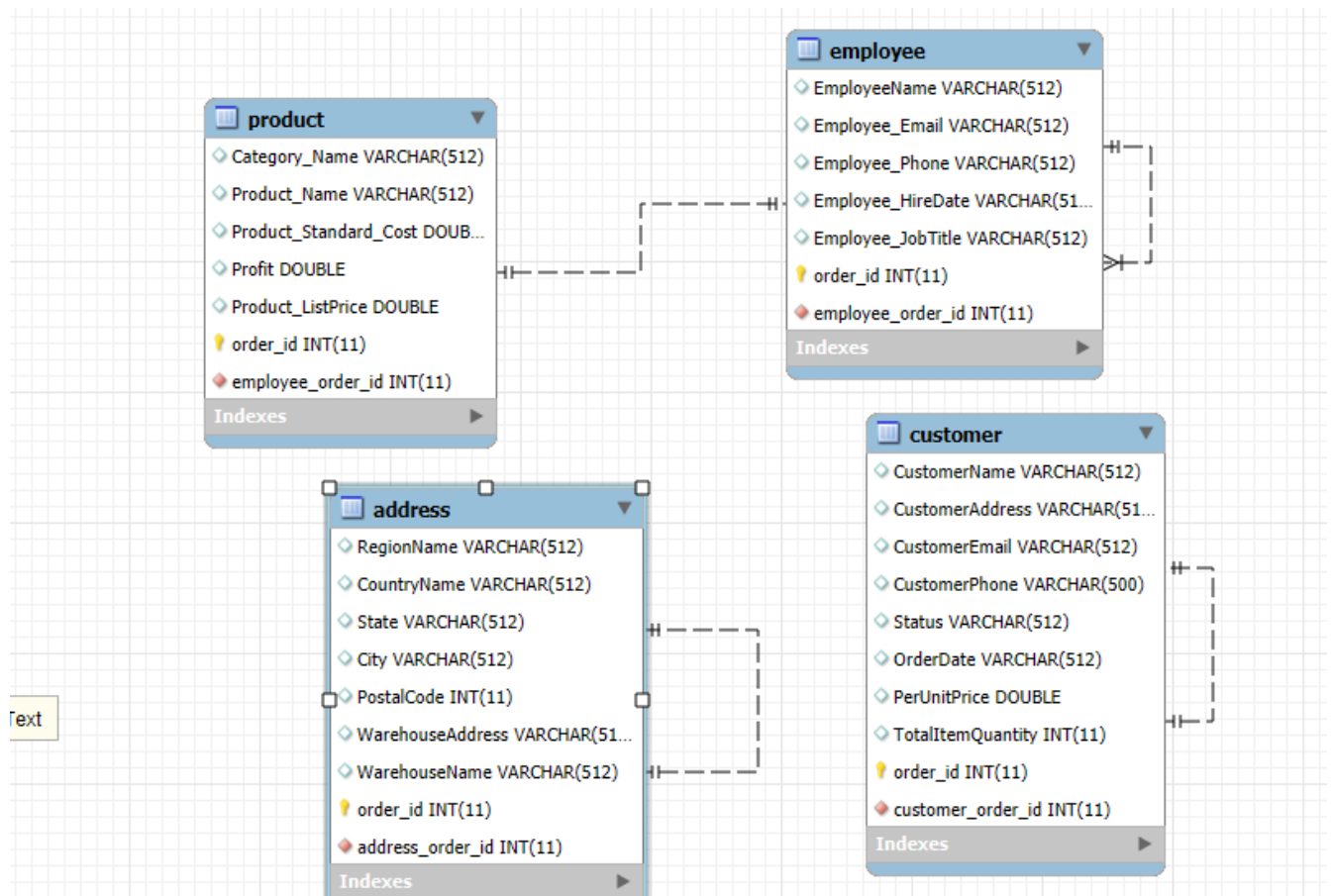






Table descriptions:

1 employee

result Grid |  Filter Rows: | Export:  Wrap Cell Content

Field	Type	Null	Key	Default	Extra
EmployeeName	varchar(512)	YES		NULL	
Employee_Email	varchar(512)	YES		NULL	
Employee_Phone	varchar(512)	YES		NULL	
Employee_HireDate	varchar(512)	YES		NULL	
Employee_JobTitle	varchar(512)	YES		NULL	
order_id	int(11)	NO	PRI	NULL	

2 address


Result Grid |  Filter Rows: | Export:  Wr

	Field	Type	Null	Key	Default	
▶	RegionName	varchar(512)	YES		NULL	
	CountryName	varchar(512)	YES		NULL	
	State	varchar(512)	YES		NULL	
	City	varchar(512)	YES		NULL	
	PostalCode	int(11)	YES		NULL	
	WarehouseAddress	varchar(512)	YES		NULL	
	WarehouseName	varchar(512)	YES		NULL	
	order_id	int(11)	NO	PRI	NULL	


Result 12

### 3 customer

Result Grid


Filter Rows:

Export:




Wrap Cell C

	Field	Type	Null	Key	Default	Extra
▶	CustomerName	varchar(512)	YES		NULL	
	CustomerAddress	varchar(512)	YES		NULL	
	CustomerEmail	varchar(512)	YES		NULL	
	CustomerPhone	varchar(500)	YES		NULL	
	Status	varchar(512)	YES		NULL	
	OrderDate	varchar(512)	YES		NULL	
	PerUnitPrice	double	YES		NULL	
	TotalItemQuantity	int(11)	YES		NULL	
	order_id	int(11)	NO	PRI	NULL	


### 4 product

Result Grid



Filter Rows:

Export:



Wrap Cell Content

	Field	Type	Null	Key	Default	Extra
▶	Category_Name	varchar(512)	YES		NULL	
	Product_Name	varchar(512)	YES		NULL	
	Product_Standard_Cost	double	YES		NULL	
	Profit	double	YES		NULL	
	Product_ListPrice	double	YES		NULL	
	order_id	int(11)	NO	PRI	NULL	

# QUERIES:

## 1 find the customer who have canceled orders

Select, customeremail, customerphone, orderdate from customer where status="canceled";

Result Grid     Filter Rows: <input type="text"/>   Export:    Wrap Cell Content:					
	customername	customeremail	customerphone	orderdate	status
▶	Fern Head	fern.head@usfoods.com	18121234115	3-Jan-17	Canceled
	Matthias Cruise	matthias.cruise@alcoa.com	16278191010	1-Dec-16	Canceled
	Christian Cage	christian.cage@emerson.com	12334165678	11-May-17	Canceled
	Geraldine Schneider	geraldine.schneider@whirlpoolcorp.com	15612788891	13-Dec-16	Canceled
	Maurice Hasan	maurice.hasan@abbott.com	17876544441	14-Dec-16	Canceled
	Daniel Glass	daniel.glass@manpowergroup.com	15677872231	14-Feb-17	Canceled
	Al Schultz	al.schultz@altria.com	16763242521	27-Sep-16	Canceled
	Caitlin Hill	caitlin.hill@kraftheinzcompany.com	12090224166	27-May-17	Canceled
	Classie Norris	classie.norris@jabil.com	18777200919	14-Aug-17	Canceled
	Jacinta Faulkner	jacinta.faulkner@aep.com	16537019101	5-Sep-17	Canceled
	Lashon Wall	lashon.wall@pge.com	12763810917	19-Feb-17	Canceled
	Brock Webb	brock.webb@bms.com	13445109171	22-Oct-16	Canceled
	Melany McMahon	melany.mcmahon@goodyear.com	12634537197	11-May-17	Canceled

## 2 retrieve all customer data





Select \* from customer;

Result Grid     Filter Rows: <input type="text"/>   Export:    Wrap Cell Content:									
	CustomerName	CustomerAddress	CustomerEmail	CustomerPhone	Status	OrderDate	PerUnitPrice	TotalItemQuantity	orderid
▶	Flor Stone	2904 S Salina St	flor.stone@raytheon.com	13171234104	Shipped	17-Nov-16	469.99	122	1001
	Lavera Emerson	5344 Haverford Ave, Philadelphia	lavera.emerson@plainsallamerican.com	13171234111	Shipped	20-Feb-17	519.99	123	1002
	Fern Head	1795 Wu Meng, Muang Chonburi	fern.head@usfoods.com	18121234115	Canceled	3-Jan-17	800.74	123	1003
	Shyla Ortiz	Walpurgisstr 69, Munich	shyla.ortiz@abbvie.com	13171234126	Pending	15-Oct-17	849.99	124	1004
	Jeni Levy	Via Frenzy 6903, Roma	jeni.levy@centene.com	18121214129	Shipped	9-Apr-17	109.99	125	1005
	Matthias Hannah	Via Luminosa 162, Firenze	matthias.hannah@chs.net	12887910191	Shipped	15-Aug-17	549.59	125	1006
	Matthias Cruise	Via Notoriosa 1942, Firenze	matthias.cruise@alcoa.com	16278191010	Canceled	1-Dec-16	659.99	126	1007
	Meenakshi Mason	1831 No Wong, Peking	meenakshi.mason@internationalpaper.com	15652788999	Shipped	9-Apr-15	54.99	149	1008
	Christian Cage	Via Notoriosa 1949, Firenze	christian.cage@emerson.com	12334165678	Canceled	11-May-17	798.26	150	1009
	Charlie Sutherland	Piazza Cacchiatore 23, San Gimignano	charlie.sutherland@up.com	17887873099	Pending	3-Dec-16	279.99	150	1010
	Charlie Pacino	Piazza Svizzera, Milano	charlie.pacino@amgen.com	16728892091	Shipped	20-Dec-16	549.59	151	1011
	Guillaume Jackson	Via Delle Grazie 11, San Gimignano	guillaume.jackson@usbank.com	17289200982	Pending	16-Aug-16	2200	123	1012
	Daniel Costner	1597 Legend St, Mysore, Kar	daniel.costner@staples.com	18779099109	Shipped	2-May-15	309.85	124	1013

customer 7 x

3 find address in south America

Select \*from address where regionname="south america";



Result Grid |   Filter Rows:  | Export:  | Wrap Cell Content: 

	RegionName	CountryName	State	City	PostalCode	WarehouseAddress	WarehouseName	order_id
▶	South America	United States of America	Texas	Southlake	26192	2014 Jabberwocky Rd	Southlake Texas	1001
	South America	United States of America	Texas	Southlake	26192	2014 Jabberwocky Rd	Southlake Texas	1002
	South America	United States of America	Texas	Southlake	26192	2014 Jabberwocky Rd	Southlake Texas	1003
	South America	United States of America	Texas	Southlake	26192	2014 Jabberwocky Rd	Southlake Texas	1004
	South America	United States of America	Texas	Southlake	26192	2014 Jabberwocky Rd	Southlake Texas	1005
	South America	United States of America	Texas	Southlake	26192	2014 Jabberwocky Rd	Southlake Texas	1006
	South America	United States of America	Texas	Southlake	26192	2014 Jabberwocky Rd	Southlake Texas	1007
	South America	United States of America	Texas	Southlake	26192	2014 Jabberwocky Rd	Southlake Texas	1008
	South America	United States of America	Texas	Southlake	26192	2014 Jabberwocky Rd	Southlake Texas	1009
	South America	United States of America	Texas	Southlake	26192	2014 Jabberwocky Rd	Southlake Texas	1010
	South America	United States of America	Texas	Southlake	26192	2014 Jabberwocky Rd	Southlake Texas	1011
	South America	United States of America	Texas	Southlake	26192	2014 Jabberwocky Rd	Southlake Texas	1012
	South America	United States of America	Texas	Southlake	26192	2014 Jabberwocky Rd	Southlake Texas	1013

address 9 x

4 total number of employee

Select count(\*) as totalemployee from employee;

Result Grid |   Filter Rows:

	totalemployee
▶	99

## 5 show the employee whose name is starting from s

select employeeName from employee where employeeName like "s%";

Result Grid

Filter Rows:

	employeeName
▶	Summer Payne
	Scarlett Gibson
	Sienna Simpson
	Sofia Hicks
	Sophia Reynolds
	Sophie Owens
	Seth Foster

## 6 get top 5 most expensive products

select \* from product order by product\_ListPrice desc limit 5;

	Category_Name	Product_Name	Product_Standard_Cost	Profit	Product_ListPrice	order_id
▶	Video Card	PNY VCQP6000-PB	4058.99	1441	5499.99	1071
	Video Card	PNY VCQM6000-24GB-PB	3619.14	519.86	4139	1072
	CPU	Intel Xeon E5-2699 V3 (OEM/Tray)	2867.51	542.95	3410.46	1001
	Video Card	PNY VCQM6000-PB	2505.04	749.95	3254.99	1073
	Video Card	ATI FirePro W9000	2785.55	407.42	3192.97	1074



## 7 show the details of customer who have buy more than 160 quantity

Select\*from cutomer where totalitem quantity>"160";

Result Grid		Filter Rows:	Export:	Wrap Cell Content:					
	CustomerName	CustomerAddress	CustomerEmail	CustomerPhone	Status	OrderDate	PerUnitPrice	TotalItemQuantity	orderid
▶	Jadyn Atkinson	1647 Suspense St, Cochin, Ker	jadyn.atkinson@globalp.com	16776213151	Shipped	27-Sep-17	287	178	1032
	Al Schultz	1628 Pataudi St, New Delhi,	al.schultz@altria.com	16763242521	Canceled	27-Sep-16	141.56	178	1033
	Felicitas Riley	Piazza Quattro Stagioni 4, Roma,	felicitas.riley@xerox.com	16090910189	Pending	27-Sep-17	573.99	183	1034
	Cora Calhoun	1656 Veterans Rd, Chennai, Tam	cora.calhoun@kimberly-clark	16782091010	Shipped	16-Aug-16	440.3	184	1035
	Caitlin Hill	1971 Limelight Blvd, Samutprakarn,	caitlin.hill@kraftheinzcompany.com	12090224166	Canceled	27-May-17	329.99	187	1038
	Gino Pickett	Via Dello Croce 93, Tellaro,	gino.pickett@lear.com	16233098811	Shipped	26-May-16	1638.89	187	1039
	Amira Macdonald	1668 Chong Tao, Beijing,	amira.macdonald@fluor.com	17890988761	Shipped	7-Sep-16	282.98	188	1040
	Eboni Jarvis	633 S Hawley Rd, Milwaukee, WI	eboni.jarvis@bd.com	16797654331	Shipped	24-Aug-16	1199.99	167	1042
	Gabrielle Dennis	1135 Catherine St, Ann Arbor, MI	gabrielle.dennis@facebook.com	16737491019	Shipped	16-Aug-16	640.99	194	1043
	Classie Norris	378 S Negley Ave, Pittsburgh, PA	classie.norris@jabil.com	18777200919	Canceled	14-Aug-17	1299.99	268	1044
	Khalilah Holman	726 Union St, Hudson, NY	khalilah.holman@centurylink.com	16543309201	Shipped	12-Aug-17	829.99	176	1045
	Isreal Rose	802 North Ave, Pittsburgh, PA	isreal.rose@supervalu.com	17890024322	Shipped	12-Aug-17	713.99	177	1046



## 8 list unique warehouse

Select distinct warehousename from address;

Result Grid	Filter Rows:
warehousename	
Southlake Texas	
San Francisco	
New Jersey	

**9 Show employee name who is working as accountant**

*select employeeName from employee where Employee\_JobTitle="Accountant" ;*

Result Grid				Filter Rows:	
	employeeName				
▶	Tyler Ramirez				
	Ryan Gray				
	Elliot Brooks				
	Elliott James				
	Albert Watson				

# Joins:

## 1 To get all customer who have shipped to specific city e.g "southlake"

Select customername ,customeraddress,customeremail,customerphone,city from customer inner join address on customer.orderid=address.order\_id where city="southlake";

customername	customeraddress	customeremail	customerphone	city
Flor Stone	2904 S Salina St	flor.stone@raytheon.com	13171234104	Southlake
Lavera Emerson	5344 Haverford Ave, Philadelphia	lavera.emerson@plainsallamerican.com	13171234111	Southlake
Fern Head	1795 Wu Meng, Muang Chonburi	fern.head@usfoods.com	18121234115	Southlake
Shyla Ortiz	Walpurgisstr 69, Munich	shyla.ortiz@abbvie.com	13171234126	Southlake
Jeni Levy	Via Frenzy 6903, Roma	jeni.levy@centene.com	18121214129	Southlake
Matthias Hannah	Via Luminosa 162, Firenze	matthias.hannah@chs.net	12887910191	Southlake
Matthias Cruise	Via Notoriosa 1942, Firenze	matthias.cruise@alcoa.com	16278191010	Southlake
Meenakshi Mason	1831 No Wong, Peking	meenakshi.mason@internationalpaper.com	15652788999	Southlake
Christian Cage	Via Notoriosa 1949, Firenze	christian.cage@emerson.com	12334165678	Southlake

## 2 to get detailed in formation about each order including customer details and address information




Select

customername,customeraddress,customeremail,customerphone,warehouseaddress,city,state,orderdate,perunitprice,totalitemquantity from customer inner join address on customer.orderid=address.order\_id;

customername	customeraddress	customeremail	customerphone	warehouseaddress	city	state	orderdate	perunitprice	totalitemquantity
Flor Stone	2904 S Salina St	flor.stone@raytheon.com	13171234104	2014 Jabberwocky Rd	Southlake	Texas	17-Nov-16	469.99	122
Lavera Emerson	5344 Haverford Ave, Philadelphia	lavera.emerson@plainsallamerican.com	13171234111	2014 Jabberwocky Rd	Southlake	Texas	20-Feb-17	519.99	123
Fern Head	1795 Wu Meng, Muang Chonburi	fern.head@usfoods.com	18121234115	2014 Jabberwocky Rd	Southlake	Texas	3-Jan-17	800.74	123
Shyla Ortiz	Walpurgisstr 69, Munich	shyla.ortiz@abbvie.com	13171234126	2014 Jabberwocky Rd	Southlake	Texas	15-Oct-17	849.99	124
Jeni Levy	Via Frenzy 6903, Roma	jeni.levy@centene.com	18121214129	2014 Jabberwocky Rd	Southlake	Texas	9-Apr-17	109.99	125
Matthias Hannah	Via Luminosa 162, Firenze	matthias.hannah@chs.net	12887910191	2014 Jabberwocky Rd	Southlake	Texas	15-Aug-17	549.59	125
Matthias Cruise	Via Notoriosa 1942, Firenze	matthias.cruise@alcoa.com	16278191010	2014 Jabberwocky Rd	Southlake	Texas	1-Dec-16	659.99	126
Meenakshi Mason	1831 No Wong, Peking	meenakshi.mason@internationalpaper.com	15652788999	2014 Jabberwocky Rd	Southlake	Texas	9-Apr-15	54.99	149

### 3 retrieve employee profit and product through inner joins




Select employeename ,product\_name,profit from employee inner join product on  
employee.orderid=product.order\_id;

Result Grid			Filter Rows:	Export:	
	employeename	product_name	profit		
▶	Summer Payne	Intel Xeon E5-2699 V3 (OEM/Tray)	542.95		
	Rose Stephens	Intel Xeon E5-2697 V3	448.71		
	Annabelle Dunn	Intel Xeon E5-2698 V3 (OEM/Tray)	625.54		
	Tommy Bailey	Intel Xeon E5-2697 V4	410.59		
	Blake Cooper	Intel Xeon E5-2685 V3 (OEM/Tray)	489.58		
	Jude Rivera	Intel Xeon E5-2695 V3 (OEM/Tray)	506.82		
	Tyler Ramirez	Intel Xeon E5-2697 V2	275.5		
	Ryan Gray	Intel Xeon E5-2695 V4	489.64		
	Elliot Brooks	Intel Xeon E5-2695 V2	466.46		

Result 6 ×

### 4 show customer name and product who canceled their product

Select customername,product\_name,status from customer right join product on customer.  
Orderid=product.order\_id where status="canceled";

Result Grid			Filter Rows:	Export:		Wrap Cel
	customername	product_name	status			
▶	Fern Head	Intel Xeon E5-2698 V3 (OEM/Tray)	Canceled			
	Matthias Cruise	Intel Xeon E5-2697 V2	Canceled			
	Christian Cage	Intel Xeon E5-2695 V2	Canceled			
	Geraldine Schneider	Intel Xeon E5-2690 V4	Canceled			
	Maurice Hasan	Intel Xeon E5-2637 V2 (OEM/Tray)	Canceled			
	Daniel Glass	Intel Xeon E5-2670 V3	Canceled			
	Al Schultz	Intel Xeon E5-2660 V3	Canceled			
	Caitlin Hill	Intel Xeon E5-2650 V4	Canceled			
	Classie Norris	Intel Core 2 Extreme QX6800	Canceled			

### 5 get total number of employee for each city

Select city,count(customername) as no of customer from customer join address on  
Customer.orderid=address.order\_id group by city;

city	noumber_of_customer
South Brunswick	12
South San Francisco	44
Southlake	44

### 6 Show the customer who buy product at price more than 2000

Select customername,category\_name,product\_standard\_cost from customer left join  
Product on customer.orderid =product.order\_id where product\_standard\_cost>"2000";

customername	category_name	product_standard_cost
Flor Stone	CPU	2867.51
Lavera Emerson	CPU	2326.27
Fern Head	CPU	2035.18
Shyla Ortiz	CPU	2144.4
Jeni Levy	CPU	2012.11
Matthias Cruise	CPU	2101.59
Nada West	Video Card	4058.99
Catherina Haney	Video Card	3619.14
Harriette Melton	Video Card	2505.04

7 Show the names of customer who have placed order and the countries they are in

*select customername,countryname from customer join address on  
customer.orderid=address.order\_id;*

Result Grid			Filter Rows:	Export:
	customername	countryname		
►	Flor Stone	United States of America		
	Lavera Emerson	United States of America		
	Fern Head	United States of America		
	Shyla Ortiz	United States of America		
	Jeni Levy	United States of America		
	Matthias Hannah	United States of America		
	Matthias Cruise	United States of America		
	Meenakshi Mason	United States of America		
	Christian Cage	United States of America		

Result 3 ×

## SUBQUERIES:

### 1 LIST THE CUSTOMER WITH PENDING STATUS

*Select customername,customeremail from customer where status ="pending" and orderdate in (select orderdate from customer where status ="pending");*

	customername	customeremail
►	Shyla Ortiz	shyla.ortiz@abbvie.com
	Charlie Sutherland	charlie.sutherland@up.com
	Guillaume Jackson	guillaume.jackson@usbank.com
	Diane Higgins	diane.higgins@dollargeneral.com
	Sharyl Montoya	sharyl.montoya@penskeautomotive.com
	Arlyne Ingram	arlyne.ingram@kohlscorporation.com
	Mireya Cochran	mireya.cochran@paccar.com
	Felicitas Riley	felicitas.riley@xerox.com
	Trula Buckley	trula.buckley@thehartford.com

customer 4 x

### 2 Find all addresses that share the same warehouse address as a specific order ID (e.g., 1045):




*SELECT \* FROM address WHERE WarehouseAddress = ( SELECT WarehouseAddress FROM address WHERE order\_id = 1045*

	RegionName	CountryName	State	City	PostalCode	WarehouseAddress	WarehouseName	order_id
►	North America	United States of America	California	South San Francisco	99236	2011 Interiors Blvd	San Francisco	1045
	North America	United States of America	California	South San Francisco	99236	2011 Interiors Blvd	San Francisco	1046
	North America	United States of America	California	South San Francisco	99236	2011 Interiors Blvd	San Francisco	1047
	North America	United States of America	California	South San Francisco	99236	2011 Interiors Blvd	San Francisco	1048
	North America	United States of America	California	South San Francisco	99236	2011 Interiors Blvd	San Francisco	1049
	North America	United States of America	California	South San Francisco	99236	2011 Interiors Blvd	San Francisco	1050
	North America	United States of America	California	South San Francisco	99236	2011 Interiors Blvd	San Francisco	1051
	North America	United States of America	California	South San Francisco	99236	2011 Interiors Blvd	San Francisco	1052
	North America	United States of America	California	South San Francisco	99236	2011 Interiors Blvd	San Francisco	1053

address 1 x



### 3 Get the Most Expensive Product in Each Category:

```
SELECT Category_Name, Product_Name, Product_ListPrice FROM product p1 WHERE  
Product_ListPrice = ( SELECT MAX(Product_ListPrice) FROM product p2 WHERE  
p1.Category_Name = p2.Category_Name);
```

Result Grid		 Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content:
	Category_Name	Product_Name	Product_ListPrice	
▶	CPU	Intel Xeon E5-2699 V3 (OEM/Tray)	3410.46	
	Video Card	PNY VCQP6000-PB	5499.99	

### 4 Find Products That Have a Higher List Price Than Their Cost

```
SELECT Product_Name FROM product WHERE Product_ListPrice > Product_Standard_Cost;
```

Result Grid		 Filter Rows: <input type="text"/>
	Product_Name	
▶	Intel Xeon E5-2699 V3 (OEM/Tray)	
	Intel Xeon E5-2697 V3	
	Intel Xeon E5-2698 V3 (OEM/Tray)	
	Intel Xeon E5-2697 V4	
	Intel Xeon E5-2685 V3 (OEM/Tray)	
	Intel Xeon E5-2695 V3 (OEM/Tray)	
	Intel Xeon E5-2697 V2	
	Intel Xeon E5-2695 V4	
	Intel Xeon E5-2695 V2	



### 5 List Job Titles that Have More Employees Than the Average Number of Employees per Job Title

```
SELECT Employee_JobTitle FROM employee GROUP BY Employee_JobTitle HAVING  
COUNT(*) > ( SELECT AVG(TitleCount) FROM ( SELECT COUNT(*) AS TitleCount FROM  
employee GROUP BY Employee_JobTitle ) AS TitleCounts );
```

Result Grid	
	Employee_JobTitle
▶	Sales Representative
	Shipping Clerk
	Stock Clerk

### 6 Count of Employees Hired in Each Job Title

```
SELECT Employee_JobTitle, COUNT(*) FROM employee GROUP BY Employee_JobTitle  
HAVING COUNT(*) > ( SELECT AVG(JobCount) FROM ( SELECT COUNT(*) AS JobCount FROM  
employee GROUP BY Employee_JobTitle ) AS JobCounts );
```

Result Grid		
	Employee_JobTitle	COUNT(*)
▶	Sales Representative	30
	Shipping Clerk	20
	Stock Clerk	17

## 7 Find Customers Who Have Never Canceled an Order

*SELECT DISTINCT CustomerName FROM customer WHERE CustomerEmail NOT IN ( SELECT CustomerEmail FROM customer WHERE Status = 'Canceled' );*

Result Grid		Filter Rows:
status	customername	
Canceled	Roxanna Wade	
Canceled	Nada West	
Canceled	Tamatha Delgado	
Canceled	Elwood Hampton	
Canceled	Meryl Cole	
Canceled	Fae Glenn	
Canceled	Lasonya Beard	
Canceled	Jon Petersen	
Canceled	Samara Barnett	

"I have a comprehensive dataset from SQL databases, and I would like to present some examples for your review."

In summary, this inventory management project shows how important good inventory control is for saving money and improving operations. By using real-time data, we can make better decisions and reduce costs. Keeping the system updated will help us stay efficient and grow in the future.