

Write a SQL statement to retrieve the data from the given database to answer the question.




- How many orders for each status?

	count(*)	status
►	303	Shipped
	4	Resolved
	6	Cancelled
	4	On Hold
	3	Disputed
	6	In Process

```
SELECT count(*), status FROM newlabdata.orders group by status;
```




2. List customers whose orders are in “Disputed” status?

```
1 • use `newlabdata`;  
2 • select customers.customerName, orders.status  
3 from orders  
4 inner join customers where status = 'Disputed'  
5 group by customerName  
6 order by customerName asc;  
7  
8
```

<	Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell
	customerName	status				
▶	Alpha Cognac	Disputed				
	American Souvenirs Inc	Disputed				
	Amica Models & Co.	Disputed				
	ANG Resellers	Disputed				
	Anna's Decorations, Ltd	Disputed				
	Anton Designs, Ltd.	Disputed				
	Asian Shopping Network, Co	Disputed				
	Asian Treasures, Inc.	Disputed				
	Atelier graphique	Disputed				
	Australian Collectables, Ltd	Disputed				

3. List the customer who cancel the order. Hint: The order that is canceled has "Cancelled" status.








```
1 • use `newlabdata`;  
2 • select customers.customerName, orders.status  
3   from orders  
4   inner join customers where status = 'Cancelled'  
5   group by customerName  
6   order by customerName asc;  
7  
8
```

<   Filter Rows:  | Export:  | Wrap Cell C

	customerName	status
▶	Alpha Cognac	Cancelled
	American Souvenirs Inc	Cancelled
	Amica Models & Co.	Cancelled
	ANG Resellers	Cancelled
	Anna's Decorations, Ltd	Cancelled
	Anton Designs, Ltd.	Cancelled
	Asian Shopping Network, Co	Cancelled
	Asian Treasures, Inc.	Cancelled
	Atelier graphique	Cancelled
	Australian Collectables, Ltd	Cancelled

- Identify the order where required date is later than 30 days after their orders.

```
1 • use `newlabdata`;
2 • select *
3   from orders
4   where (orders.requiredDate - orders.orderDate) > 30;
5
```

<							
Result Grid    Filter Rows: <input type="text"/>   Edit:      Export/Import:     Wrap Cell Content: 							
	orderNumber	orderDate	requiredDate	shippedDate	status	comments	customerNumber
▶	10103	2003-01-29	2003-02-07	2003-02-02	Shipped	NULL	121
	10104	2003-01-31	2003-02-09	2003-02-01	Shipped	NULL	141
	10107	2003-02-24	2003-03-03	2003-02-26	Shipped	Difficult to negotiate with customer. We need m...	131
	10112	2003-03-24	2003-04-03	2003-03-29	Shipped	Customer requested that ad materials (such as ...	144
	10113	2003-03-26	2003-04-02	2003-03-27	Shipped	NULL	124
	10119	2003-04-28	2003-05-05	2003-05-02	Shipped	NULL	382
	10120	2003-04-29	2003-05-08	2003-05-01	Shipped	NULL	114
	10126	2003-05-28	2003-06-07	2003-06-02	Shipped	NULL	458
	10132	2003-06-25	2003-07-01	2003-06-28	Shipped	NULL	323
	10133	2003-06-27	2003-07-04	2003-07-03	Shipped	NULL	141
	10140	2003-07-24	2003-08-02	2003-07-30	Shipped	NULL	161

5. Identify the order where shipment date is within 15 days after the order.

```
1 • use `newlabdata`;
2 • select *
3   from orders
4   where (orders.shippedDate - orders.orderDate) < 15;
5
```

Result Grid							
		Filter Rows:			Edit:	Export/Import:	Wrap Cell Content:
	orderNumber	orderDate	requiredDate	shippedDate	status	comments	customerNumber
▶	10100	2003-01-06	2003-01-13	2003-01-10	Shipped	NULL	363
	10101	2003-01-09	2003-01-18	2003-01-11	Shipped	Check on availability.	128
	10102	2003-01-10	2003-01-18	2003-01-14	Shipped	NULL	181
	10105	2003-02-11	2003-02-21	2003-02-12	Shipped	NULL	145
	10106	2003-02-17	2003-02-24	2003-02-21	Shipped	NULL	278
	10107	2003-02-24	2003-03-03	2003-02-26	Shipped	Difficult to negotiate with customer. We need m...	131
	10108	2003-03-03	2003-03-12	2003-03-08	Shipped	NULL	385
	10109	2003-03-10	2003-03-19	2003-03-11	Shipped	Customer requested that FedEx Ground is used...	486
	10110	2003-03-18	2003-03-24	2003-03-20	Shipped	NULL	187
	10111	2003-03-25	2003-03-31	2003-03-30	Shipped	NULL	129
	10112	2003-03-24	2003-04-03	2003-03-29	Shipped	Customer requested that ad materials (such as ...	144


6. List the customer and their total number of order. You need to sort the result by descending order of number of order.

```
1 • use `newlabdata`;  
2 • select customers.customerName, count(*) as total  
3   from orders  
4   inner join customers on customers.customerNumber = orders.customerNumber  
5   group by customers.customerName  
6   order by total desc;
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	customerName	total			
▶	Euro+ Shopping Channel	26			
	Mini Gifts Distributors Ltd.	17			
	Australian Collectors, Co.	5			
	Reims Collectables	5			
	Danish Wholesale Imports	5			
	Dragon Souvenirs, Ltd.	5			
	Down Under Souvenirs, Inc	5			
	Royale Belge	4			
	Anna's Decorations, Ltd	4			
	La Rochelle Gifts	4			
	Baane Mini Imports	4			

7. Which product has the highest sales?

```
1 • use `newlabdata`;  
2 • select products.productCode ,products.productName,  
3     sum(orderdetails.quantityOrdered) as 'total_sales'  
4     from orderdetails  
5     inner join products on products.productCode = orderdetails.productCode  
6     group by products.productName  
7     order by total_sales desc  
8     limit 1;  
9
```

<	Result Grid		 Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 	Fetch	 Result Grid
	productCode	productName	total_sales				
▶	S18_3232	1992 Ferrari 360 Spider red	1808				

8. Display the product by name and its total sales.

```
1 • use `newlabdata`;  
2 • select products.productName,  
3     sum(orderdetails.quantityOrdered) as 'total_sales'  
4     from orderdetails  
5     inner join products on products.productCode = orderdetails.productCode  
6     group by products.productName  
7     order by total_sales desc;
```




Result Grid			Filter Rows: <input type="text"/>		Export:	Wrap Cell Content:		Result Grid
	productName	total_sales						
▶	1992 Ferrari 360 Spider red	1808						
	1937 Lincoln Berline	1111						
	American Airlines: MD-11S	1085						
	1941 Chevrolet Special Deluxe Cabriolet	1076						
	1930 Buick Marquette Phaeton	1074						
	1940s Ford truck	1061						
	1969 Harley Davidson Ultimate Chopper	1057						
	1957 Chevy Pickup	1056						
	1964 Mercedes Tour Bus	1053						
	1956 Porsche 356A Coupe	1052						
	Corsair F4U ( Bird Cage)	1051						



9. Display the total payments of each days.

```
1 • use `newlabdata`;  
2 • select paymentDate,sum(amount) from payments  
3   group by paymentDate  
4   order by paymentDate asc;  
5  
6  
7  
8
```

<



Result Grid   Filter Rows:  Export:  Wrap Cell Contents

	paymentDate	sum(amount)
▶	2003-01-16	10223.83
	2003-01-28	10549.01
	2003-01-30	5494.78
	2003-02-16	50218.95
	2003-02-20	53959.21
	2003-02-25	40206.20
	2003-03-02	52151.81
	2003-03-09	51001.22
	2003-03-12	22292.62
	2003-03-20	25833.14

10. Display the average of each payments.

```
1 • use `newlabdata`;  
2 • select avg(amount) from payments  
3
```

<

Result Grid   Filter Rows:  | Export:

	avg(amount)
▶	32431.645531