SQL QUERY

The **SELECT** query is used in SQL Server to get data from Table. It's like asking a question to your database and getting the answer in a table format.

For Example-

Here is a Database of customers and orders

1) Customers:

	id	first_name	country	score
1	1	Maria	Germany	350
2	2	John	USA	900
3	3	Georg	UK	750
4	4	Martin	Germany	500
5	5	Peter	USA	0

2) orders:

	order_id	customer_id	order_date	sales
1	1001	1	2021-01-11	35
2	1002	2	2021-04-05	15
3	1003	3	2021-06-18	20
4	1004	5	2021-08-31	10

By using -- This we can Do a Single Line Comment.

By using

/* We can

Write a

Multi line

Comment. */

USE MyDatabase;

-- This is a Comments--

/*This

is

а

MultiLine

Comment*/

--Retrive All Customer Data

SELECT *

FROM customers

--Retrive All the Order Data

SELECT * FROM orders

- --- SELECT FEW COLUMNS FROM DATABASE
- -- INSTEAD FROM * WRITE THE COLUMN NAME
- -- Retrieve Each Customer's Name, Country and Score.

SELECT

score,

first_name,

country

-- NO comma After a last Column --

FROM customers

Here is a Output:-

500

0

5

Martin

Peter

					_	J				,
☐ Results ☐ Messages										
	id	first	_name	со	untry	s	core			
1	1	Ma	ria	G	German		350			
2	2	Jol	nn	U	USA		900			
3	3	Ge	Georg		UK		750			
4	4	Ma	artin	G	German		500			
5	5	Pet	ter	U	USA)			
	order_id custor			mer	mer_id or		r_date		sales	
1	100)1	1	1		2021-01-1		1	35	
2	100)2	2	2		2021-04-05		15		
3	100)3	3	3		2021		8	20	
4	100)4	5	5		2021-08-31		10		
	sco	re	first_nar	st_name cou						
1	350	_	Maria	_		rmany	,			
2	900)	John		USA					
3	750)	Georg		UK					

Germany

USA

/* We use Where to Filters Your Data Based on a For ex- Score Higher than 500 */

Select *
From customers
where score > 500

-- Select Firstname and Country whose Score Higher than 500

Select first_name, country From customers where score > 500

-- Retrieve Customers With a Score not Equal to 0

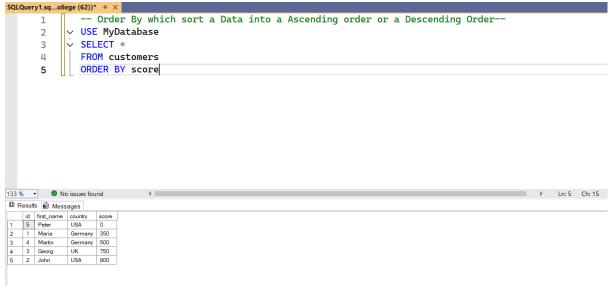
Select *
From customers
where score != 0

-- Retrieve Customer From Germany

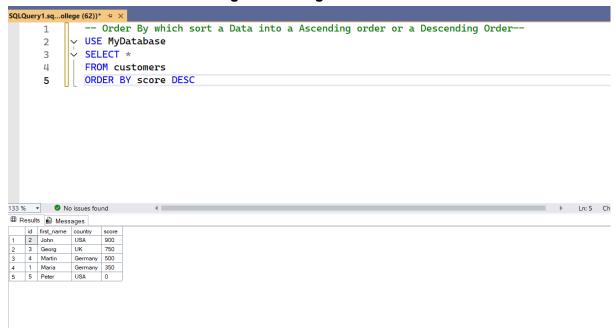
Select *
From customers
where country = 'Germany'

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00	%	· (No	issue	s for	ınd
# [Result	s 🖺 N	/lessa	ages		
	id	first_na	me	count	ry	score
1	2	John		USA		900
2	3	Georg		UK		750
	first	_name	cour	ntry		
1	Joh	n	USA	1		
2	Georg		UK			
	id	first_na	t_name cou		ry	score
1	1	Maria		Germany		350
2	2	John		USA		900
3	3	Georg		UK		750
4	4	Martin		Germany		500
	id	first_na	first_name count		ry	score
1	1	Maria		Gern	nany	350
2	4	Martin		Gern	2007	500

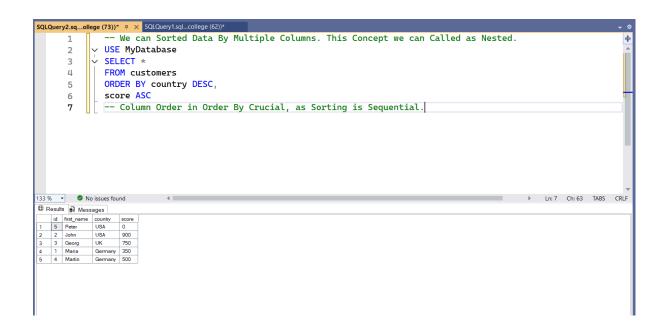
ORDER BY - (by Default it will do in the Ascending order but we can also use ASC)

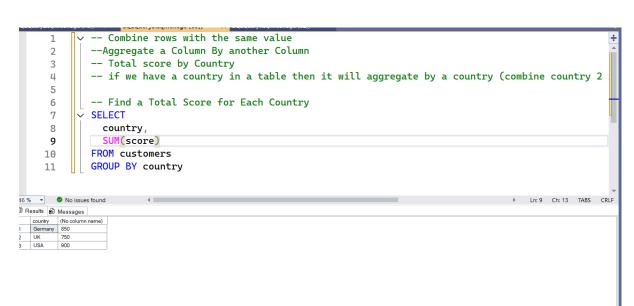


In this we have use a Descending order using DESC



We have Sorted Data by Multiple Columns.





```
SELECT

SUM(score) as Total_Score
FROM customers
GROUP BY country

Paul & Mesages

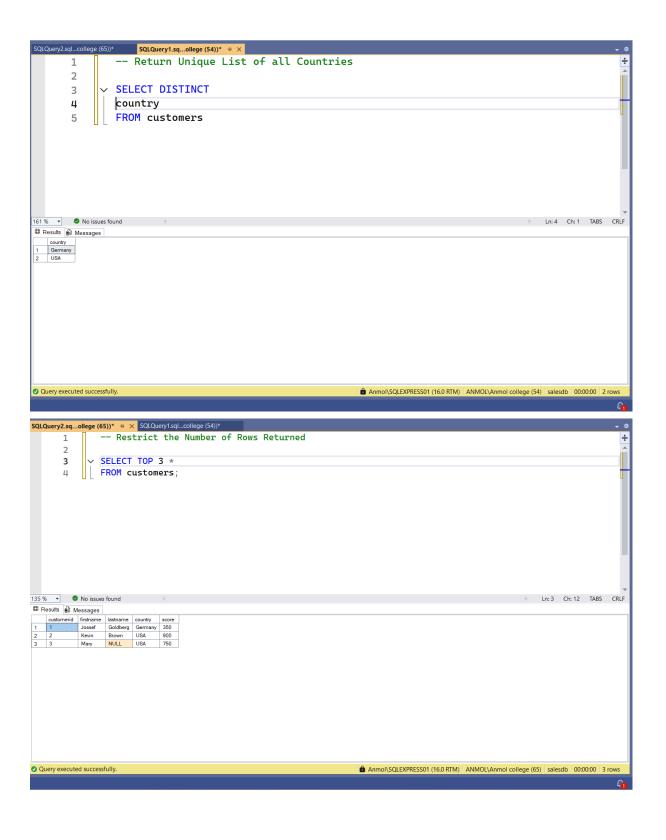
GROUP BY country

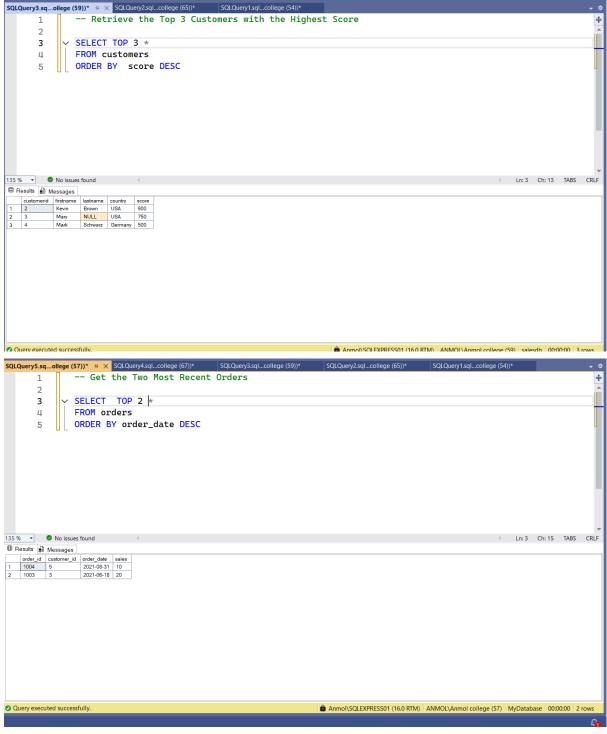
In:12 Ch:3 TABS CRIF
```

Q) Find the Total Score and Total numbers of Customers for Each Category









SQL QUERY

- SELECT
- DISTINCT
- TOP
- FROM
- WHERE
- GROUP BY
- HAVING
- ORDER BY

Execution Order and Coding Order

SELECT DISTINCT TOP2
Col 1,
SUM(col 2)
FROM Table
WHERE Col = 10
GROUP BY Col 1
HAVING SUM(Col2)>30
ORDER BY Col1 ASC



Execute Order

- 1) FROM
- 2) WHERE
- 3) GROUP BY
- 4) HAVING
- 5) SELECT DISTINCT
- 6) ORDER BY
- 7) TOP

If we Select a particular part of a code then only that selected part will be Execute.