

How to select all the columns of a table except one column?



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How to select all the columns of a table except one column?

I have nearly 259 columns I cant mention 258 columns in `SELECT` statement.

Is there any other way to do it?

sql



sql-server

edited Apr 2 '15 at 6:09



sqluser

4,482 7 26 42

asked Mar 17 '15 at 9:18



Giri Prasad

197 1 3 13

5 Which DBMS you are using? – [Rahul Tripathi](#) Mar 17 '15 at 9:19

4 You've already got a table with 259 columns. Why do you care about selecting one less? You've already made a monster of a database and a monster of a result set, one column won't make a difference. – [Luaan](#) Mar 17 '15 at 9:24

No, that's not possible. You have to list every column (or write a function that does this for your). But many SQL clients can help you to "generate" that list automatically through auto completion. Plus which DBMS are you using? Postgres? Oracle? – [a_horse_with_no_name](#) Mar 17 '15 at 9:27

1 @GiriPrasad In Management studio, you can right click the table, select Script table as -> Select to -> New query window . This will generate a select with all the columns, and you can just get rid of the one you don't want. – [Luaan](#) Mar 17 '15 at 13:15

4 possible duplicate of [SQL exclude a column using SELECT * \[except columnA\] FROM tableA?](#) – [Bridge](#) Mar 24 '15 at 15:03

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You can use this approach to get the data from all the columns except one:-

1. Insert all the data into a temporary table
2. Then drop the column which you dont want from the temporary table
3. Fetch the data from the temporary table(This will not contain the data of the removed column)
4. Drop the temporary table

Something like this:

```
SELECT * INTO #TemporaryTable FROM YourTableName

ALTER TABLE #TemporaryTable DROP COLUMN Columnwhichyouwanttoremove

SELECT * FROM #TemporaryTable

DROP TABLE #TemporaryTable
```

answered Mar 17 '15 at 9:22



[Rahul Tripathi](#)

131k 21 178 250

-
- 1 How do you know which DBMS Giri is using? – [a_horse_with_no_name](#) Mar 17 '15 at 9:27
-
- 5 @a_horse_with_no_name:- I dont know thats why I said its just an *approach*! – [Rahul Tripathi](#) Mar 17 '15 at 9:28 ✎
-
- 1 Thanks for response. seems to be a useful solution – [Giri Prasad](#) Mar 17 '15 at 12:46
-
- 1 I must admit, this is a novel solution. However, this can place quite a load on a busy server every time the query needs to be executed. And all because one db developer has an attack of the lazies. "I can't mention 258 columns in select statement" indeed! – [TommCatt](#) Mar 18 '15 at 4:55
-
- 4 In fact, in thinking about it some more, I think I would have a long sit-down with any programmer who executed such code. Of course, I would also like to have a long discussion with whoever designed such a table and then again with the analyst who requested such a query. Heads will roll, people! – [TommCatt](#) Mar 18 '15 at 4:59
-

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Create a view. Yes, in the view creation statement, you will have to list each...and...every...field...by...name.

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Once.

Then just `select * from viewname` after that.

answered Mar 18 '15 at 4:51

[TommCatt](#)

4,709 1 8 17

You can get the column name details from sys.columns table

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Try the following query:

```
SELECT * FROM SYS.COLUMNS
WHERE object_id = OBJECT_ID('dbo.TableName')
AND [Name] <> 'ColumnName'

DECLARE @sql as VARCHAR(8000)
SET @sql = 'SELECT '

SELECT @sql += [Name] + ', ' FROM SYS.COLUMNS
WHERE object_id = OBJECT_ID('dbo.TableName')
AND [Name] <> 'ColumnName'

SELECT @sql += ' FROM Dbo.TableName'

EXEC(@sql)
```

answered Mar 24 '15 at 12:02

[ps_prakash02](#)

380 2 14

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`SELECT * FROM temp_tb;`

Here the col_x is the column which u dont want to include in select statement.

Take a look at this question : [Select all columns except one in MySQL?](#)

edited May 23 '17 at 12:10



Community ♦

1 1

answered Mar 17 '15 at 9:23



Sagar Joon

842 6 15

Thanks for the response – [Giri Prasad](#) Mar 18 '15 at 5:11

Without creating new table you can do simply (e.g with mysql):

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1. get all columns
2. loop through all columns and remove wich you want
3. make your query

```
$r = mysqli_query('SELECT column_name FROM information_schema.columns WHERE table_name =
table_to_query');

$c = count($r); while($c--) if($r[$c]['column_name'] != 'column_to_remove_from_query')
$a[] = $r[$c]['column_name']; else unset($r[$c]);

$r = mysqli_query('SELECT ' . implode(',', $a) . ' FROM table_to_query');
```

answered Jan 1 '16 at 11:02



Sergio Pisoni

52 2 12

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answered Jan 20 '17 at 21:06



Abhinav Vanam

1 3

Try the following query:

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```
DECLARE @Temp NVARCHAR(MAX);
DECLARE @SQL NVARCHAR(MAX);

SET @Temp = '';
SELECT @Temp = @Temp + COLUMN_NAME + ', ' FROM INFORMATION_SCHEMA.COLUMNS WHERE
TABLE_NAME = 'Person' AND COLUMN_NAME NOT IN ('Id')

SET @SQL = 'SELECT ' + SUBSTRING(@Temp, 0, LEN(@Temp)) + ' FROM [Person]';
EXECUTE SP_EXECUTESQL @SQL;
```

answered Sep 8 '17 at 4:35



Omid Nasri

139 1 9

Only one way to achieve this giving column name. There is no other method found. You must have to list all column name

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answered Apr 26 '18 at 9:45



yasir kk

121 2 6

This is not a generic solution, but some databases allow you to use regular expressions to specify the columns.

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For instance, in the case of Hive, the following query selects all columns except ds and hr:

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answered Mar 1 at 13:35



Fatore

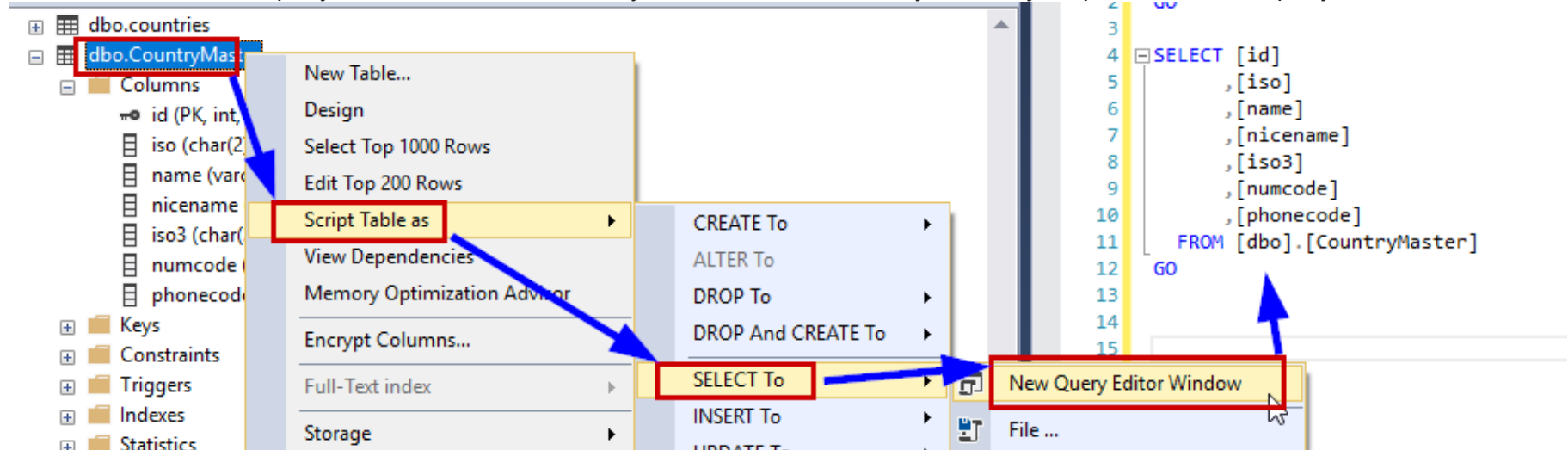
116 2 5

I just wanted to echo @Luann's comment as I use this approach always.

0

Just right click on the table > Script table as > Select to > New Query window.

You will see the select query. Just take out the column you want to exclude and you have your preferred select query.



answered Mar 6 at 2:04



Ashish Gupta

9,468 13 57 114

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