

# Question :

**Question 5:**

Write a query to display LocationID, StreetAddress, City, StateProvince, CountryID, NumberOfDepartments where NumberOfDepartments is the number of departments in each location; display the results in descending order of NumberOfDepartments then in ascending order of LocationID for locations having the same value of NumberOfDepartments as follows:

	LocationID	StreetAddress	City	StateProvince	CountryID	NumberOfDepartments
1	1700	2004 Charade Rd	Seattle	Washington	US	21
2	1800	147 Spadina Ave	Toronto	Ontario	CA	2
3	1400	2014 Jabberwocky Rd	Southlake	Texas	US	1
4	1500	2011 Interiors Blvd	South San Francisco	California	US	1
5	2400	8204 Arthur St	London	NULL	UK	1
6	2500	Magdalen Centre	The Oxford	Oxford	UK	1
7	2700	Schwanthalerstr. 7031	Munich	Bavaria	DE	1
8	1100	93091 Calle della Testa	Venice	NULL	IT	0
9	1200	2017 Shinjuku-ku	Tokyo	Tokyo Prefecture	JP	0
10	1300	9450 Kamiya-cho	Hiroshima	NULL	JP	0
11	1600	2007 Zagora St	South Brunswick	New Jersey	US	0
12	2000	40-5-12 Laogianggen	Beijing	NULL	CN	0
13	2200	12-98 Victoria Street	Sydney	New South Wales	AU	0
14	2300	198 Clementi North	Singapore	NULL	SG	0
15	2600	9702 Chester Road	Stretford	Manchester	UK	0
16	2900	20 Rue des Corps-Saints	Geneva	Geneve	CH	0
17	3000	Murtenstrasse 921	Bern	BE	CH	0
18	3100	Pieter Breughelstraat 837	Utrecht	Utrecht	NL	0

Picture 5.1

**Question 6:**

4 Question 5: Write a query to display LocationID, StreetAddress, City, State Province, CountryID, NumberOfDepartments where NumberOfDepartments is the number of departments in each location; display the results in descending order of NumberOfDepartments then in ascending order of LocationId for locations having the same value of NumberOfDepartments as follows: Location StreetAddress City State Province CountryID NumberOfDepartments 1 1700 2004 Charade Rd Seattle Washington US 21 2 1800 147 Spadina Ave Toronto Ontario CA 2 3 1400 2014 Jabberwocky Rd Southlake Texas US 1 1500 2011 Interiors Blvd South San Francisco California US 1 5 2400 8204 Arthur St London NULL UK 2500 Magdalen Centre The Oxford Oxford UK 7 2700 Schwanthalerstr. 7031 Munich Bavaria DE 1 1100 93091 Calle della Testa Venice NULL 9 1200 2017 Shinjuku-ku Tokyo Tokyo Prefecture JP 10 1300 9450 Kamiya-cho Hiroshima NULL JP 11 1600 2007 Zagora St South Brunswick New Jersey US 12 2000 40-5-12 Laogianggen Beijing NULL CN 0 13 2200 12-98 Victoria Street Sydney New South Wales AU 0 14 2300 198 Clementi North Singapore NULL SG 0 15 2600 9702 Chester Road Stretford Manchester UK 0 16 2900 20 Rue des Corps-Saints Geneva Geneve 17 3000 Murtenstrasse 921 Bern BE 18 3100 Pieter Breughelstraat 837 Utrecht Utrecht NL 1 6 8 IT 0 0 0 0 ooo Picture 5.1 Question 6.

Show transcribed image text 4 Question 5: Write a query to display LocationID, StreetAddress, City, State Province, CountryID, NumberOfDepartments where NumberOfDepartments is the number of departments in each location; display the results in descending order of NumberOfDepartments then in ascending order of LocationId for locations having the same value of NumberOfDepartments as follows: Location StreetAddress City State Province CountryID NumberOfDepartments 1 1700 2004 Charade Rd Seattle Washington US 21 2 1800 147 Spadina Ave Toronto Ontario CA 2 3 1400 2014 Jabberwocky Rd Southlake Texas US 1 1500 2011 Interiors Blvd South San Francisco California US 1 5 2400 8204 Arthur St London NULL UK 2500 Magdalen Centre The Oxford Oxford UK 7 2700 Schwanthalerstr. 7031 Munich Bavaria DE 1 1100 93091 Calle della Testa Venice NULL 9 1200 2017 Shinjuku-ku Tokyo Tokyo Prefecture JP 10 1300 9450 Kamiya-cho Hiroshima NULL JP 11 1600 2007 Zagora St South Brunswick New Jersey US 12 2000 40-5-12 Laogianggen Beijing NULL CN 0 13 2200 12-98 Victoria Street Sydney New South Wales AU 0 14 2300 198 Clementi North Singapore NULL SG 0 15 2600 9702 Chester Road Stretford Manchester UK 0 16 2900 20 Rue des Corps-Saints Geneva Geneve 17 3000 Murtenstrasse 921 Bern BE 18 3100 Pieter Breughelstraat 837 Utrecht Utrecht NL 1 6 8 IT 0 0 0 0 ooo Picture 5.1 Question 6.

# Answer (Ignore Step 0) :

**Solution:** I have uploaded the sql code below. Since, table name is not mentioned, I have written **table\_name** as the table name. So, please write the respective table name in place of table\_name in order to get correct results.

**SQL query:**

```
select LocationID, StreetAddress, City,
       StateProvince, CountryID, NumberOfDepartments
from table_name
order by NumberOfDepartments DESC, LocationID;
```

**Snapshot of the query:** (for reference)

```
select LocationID, StreetAddress, City,
       StateProvince, CountryID, NumberOfDepartments
from table_name
order by NumberOfDepartments DESC, LocationID;
```

Feel free to ask any doubts in the comments.

\*\*\*\*\*PLEASE GIVE THUMBS UP\*\*\*\*\*

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