





```

1 • create database urban_insights ;
2 • use urban_insights ;
3
4 • select * from dataset1;
5 -- 1. ORDER BY - Sorting
6 -- The ORDER BY clause is used to sort the results of a query based on one or more columns.
7
8 -- Example 1: Order districts by literacy rate (descending)
9 • SELECT District, Literacy
10 FROM Dataset1
11 ORDER BY Literacy DESC; -- This returns all districts sorted from highest to lowest literacy.

```

Result Grid   Filter Rows: <input type="text"/> Export:  Wrap Cell Content: 					
	District	State	Growth	Sex_Ratio	Literacy
▶	South Andaman	Andaman And Nicobar Islands	0.14	871.00	89.13
	North And Middle Andaman	Andaman And Nicobar Islands	0	925.00	83.91
	Nicobars	Andaman And Nicobar Islands	-0.12	777.00	78.06
	Rangareddy	Andhra Pradesh	0.48	961.00	75.87
	East Godavari	Andhra Pradesh	0.05	1,006.00	70.99
	Guntur	Andhra Pradesh	0.09	1,003.00	67.4
	Krishna	Andhra Pradesh	0.08	992.00	73.74
	Visakhapatnam	Andhra Pradesh	0.12	1,006.00	66.91
	Chittoor	Andhra Pradesh	0.11	997.00	71.53
	Anantapur	Andhra Pradesh	0.12	977.00	63.57
	Kurnool	Andhra Pradesh	0.15	988.00	59.97
	Mahbubnagar	Andhra Pradesh	0.15	977.00	55.04

```
8      -- Example 1: Order districts by literacy rate (descending)
9  •    SELECT District, Literacy
10     FROM Dataset1
11     ORDER BY Literacy DESC;
12      -- This returns all districts sorted from highest to lowest literacy.
```

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

District	Literacy
Serchhip	97.91
Aizawl	97.89
Mahe	97.87
Kottayam	97.21
Pathanamthitta	96.55
Champhai	95.91
Ernakulam	95.89
Alappuzha	95.72
Kannur	95.1
Thrissur	95.08
Kozhikode	95.08
Kollam	94.09
Malappuram	93.57
Kolasib	93.5
Thiruvanantha...	93.02
Idukki	91.99

```

18
19  -- Example 2: Order by multiple columns
20 •  SELECT District, State, Literacy
21    FROM Dataset1
22    ORDER BY State ASC, Literacy DESC;
23
24






```

Result Grid			
Filter Rows: <input type="text"/>			
Export: <input type="button" value="Export"/>			
Wrap Cell Content: <input type="checkbox"/>			
	District	State	Literacy
▶	South Andaman	Andaman And Nicobar Islands	89.13
	North And Middle Andaman	Andaman And Nicobar Islands	83.91
	Nicobars	Andaman And Nicobar Islands	78.06
	Hyderabad	Andhra Pradesh	83.25
	Rangareddy	Andhra Pradesh	75.87
	West Godavari	Andhra Pradesh	74.63
	Krishna	Andhra Pradesh	73.74
	Chittoor	Andhra Pradesh	71.53
	East Godavari	Andhra Pradesh	70.99
	Sri Potti Sriramulu Nellore	Andhra Pradesh	68.9
	Guntur	Andhra Pradesh	67.4
	YSR	Andhra Pradesh	67.3
	Visakhapatnam	Andhra Pradesh	66.91
	Warangal	Andhra Pradesh	65.11
	Khammam	Andhra Pradesh	64.81
	Nalgonda	Andhra Pradesh	64.2

```
26
27 -- 2. LIMIT (Restricts the no. of rows returned)
28 -- Example: Top 5 districts by literacy
29 • SELECT District,Literacy
30 FROM Dataset1
31 ORDER BY Literacy DESC
32 LIMIT 3; -- This gives the top 5 districts with the highest literacy rates.
33
34
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
	District	Literacy				
▶	Serchhip	97.91				
	Aizawl	97.89				
	Mahe	97.87				

```
37
38 -- Bottom 3 districts by sex ratio
39 • SELECT District, Sex_Ratio
40 from dataset1
41 order by Sex_Ratio asc
42 limit 3; -- Returns districts with the lowest sex ratio.
43
44
45
```

Result Grid   Filter Rows: Export:  Wrap Cell Content:  Fetch rows: 

	District	Sex_Ratio
▶	Coimbatore	1,000.00
	Raichur	1,000.00
	Adilabad	1,001.00

```

47
48  -- Districts in Andhra Pradesh sorted by growth
49 •  select district , growth
50    from dataset1
51    where state = 'Andhra Pradesh'
52    order by growth desc;
53
54
--

```

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

	district	growth
▶	Rangareddy	0.48
	Kurnool	0.15
	Mahbubnagar	0.15
	Medak	0.14
	Visakhapatnam	0.12
	Anantapur	0.12
	Chittoor	0.11
	Prakasam	0.11
	Sri Potti Sriramulu Nellore	0.11
	YSR	0.11
	Adilabad	0.1
	Guntur	0.09
	Nizamabad	0.09

```
56  -- District with 4th highest Sex_ratio
57 • select District,Sex_ratio
58  from dataset1
59  order by Sex_Ratio desc
60  limit 1 offset 3;  -- offset will ignore first 3 rows and limit 1 will print 4th row.
61
62
63
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



Fetch rows:



	District	Sex_ratio
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▶	Dindigul	998.00
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