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```
/* Data file after importing data */
SELECT * FROM zomato data;
```

Result Grid																	Filter Rows:		Export:		Wrap Cell Content:		Fetch rows:	
	url	address	name	online_	book_	rate	votes	phone	location	rest_type	dish_liked	cuisines	approx_c	menu_ite	listed_in_	listed_in_city								
▶	https://www...	942, 21st Mai...	Jalsa	Yes	Yes	4.1/5	775	080 4229...	Banasha...	Casual Dining	Pasta, Lunch Buff...	North Indian, Mughlai, Chin...	800	☐	Buffet	Banashankari								
	https://www...	2nd Floor, 80 ...	Spice Elephant	Yes	No	4.1/5	787	080 4171...	Banasha...	Casual Dining	Momos, Lunch Buf...	Chinese, North Indian, Thai	800	☐	Buffet	Banashankari								
	https://www...	1112, Next to...	San Churro C...	Yes	No	3.8/5	918	+91 966...	Banasha...	Cafe, Casu...	Churros, Cannello...	Cafe, Mexican, Italian	800	☐	Buffet	Banashankari								
	https://www...	1st Floor, Ann...	Addhuri Udup...	No	No	3.7/5	88	+91 962...	Banasha...	Quick Bites	Masala Dosa	South Indian, North Indian	300	☐	Buffet	Banashankari								
	https://www...	10, 3rd Floor, ...	Grand Village	No	No	3.8/5	166	+91 802...	Basavan...	Casual Dining	Panipuri, Gol Gappe	North Indian, Rajasthani	600	☐	Buffet	Banashankari								
	https://www...	37, 5-1, 4th Fl...	Timepass Dinner	Yes	No	3.8/5	286	+91 998...	Basavan...	Casual Dining	Onion Rings, Past...	North Indian	600	☐	Buffet	Banashankari								
	https://www...	19/1, New Tim...	Rosewood In...	No	No	3.6/5	8	+91 973...	Mysore R...	Casual Dining		North Indian, South Indian,...	800	☐	Buffet	Banashankari								
	https://www...	2469, 3rd Flo...	Onesta	Yes	Yes	4.6/5	2556	080 4865...	Banasha...	Casual Dini...	Farmhouse Pizza, ...	Pizza, Cafe, Italian	600	☐	Cafes	Banashankari								
	https://www...	1, 30th Main ...	Penthouse Cafe	Yes	No	4.0/5	324	+91 888...	Banasha...	Cafe	Pizza, Mocktails, C...	Cafe, Italian, Continental	700											
	https://www...	2470, 21 Main...	Smacznego	Yes	No	4.2/5	504	+91 994...	Banasha...	Cafe	Waffles, Pasta, C...	Cafe, Mexican, Italian, Mo...	550	☐	Cafes	Banashankari								
	https://www...	12,29 Near PE...	CafÃƒÂƒÃƒÂƒ...	Yes	No	4.1/5	402	080 2672...	Banasha...	Cafe	Waffles, Pasta, Cr...	Cafe	500	☐	Cafes	Banashankari								

```
38  
39  
40 • SELECT COUNT(*) as num_of_data_points FROM zomato_data;  
41  
42  
43  
44  
45  
46  
47
```

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

	num_of_data_points
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▶	51366
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50
51
52  /* Check datatype of all columns */
53  •  SELECT COLUMN_NAME, DATA_TYPE FROM INFORMATION_SCHEMA.COLUMNS
54     WHERE TABLE_SCHEMA = 'zomato_data_analysis' AND
55     TABLE_NAME = 'zomato_data' AND COLUMN_NAME in
56     (Select COLUMN_NAME FROM INFORMATION_SCHEMA.COLUMNS WHERE TABLE_SCHEMA = 'zomato_data_analysis' AND
57     TABLE_NAME = 'zomato_data');
58
59
```

	COLUMN_NAME	DATA_TYPE
▶	url	mediumtext
	address	mediumtext
	name	text
	online_order	text
	book_table	text
	rate	varchar
	votes	int
	phone	varchar
	location	text
	rest_type	text
	dish_liked	mediumtext
	cuisines	mediumtext
	approx_cost_f...	int
	menu_item	longtext
	listed_in_type	text
	listed_in_city	text

```

62
63
64      /*Q.1- Average rating of Top 20 restaurants */
65 •    SELECT name, ROUND(AVG(rate),1) AS Average_Rating
66      FROM zomato_data
67      GROUP BY name ORDER BY Average_Rating DESC, name ASC limit 20;
68
69      -- 4 Restaurants have highest average rating
70
71






```

	name	Average_Rating
▶	Asia Kitchen ...	4.9
	Byg Brewski B...	4.9
	Punjab Grill	4.9
	SantÃfÃfÃfÃ...	4.9
	AB's - Absolut...	4.8
	Barbecue by ...	4.8
	Belgian Waffl...	4.8
	CTR	4.8
	Flechazo	4.8
	O.G. Variar &...	4.8
	The Pizza Bak...	4.8
	Burma Burma	4.7
	Chili's Americ...	4.7
	ECHOES Kora...	4.7
	House Of Co...	4.7
	Maziga	4.7
	Taaza Thindi	4.7


```

74
75
76  /*Q.2- Top 20 Restaurant chains */
77  •  SELECT name, COUNT(name) AS Number_of_Outlets
78      FROM zomato_data GROUP BY name ORDER BY Number_of_Outlets DESC
79      LIMIT 20;
80
81      -- Cafe Coffee Day has most Restaurants emerging as Biggest Restaurant chain
82
83

```

Result Grid


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

	name	Number_of_Outlets
▶	Cafe Coffee ...	96
	Onesta	85
	Just Bake	74
	Empire Resta...	71
	Five Star Chic...	70
	Kanti Sweets	68
	Petoo	66
	Polar Bear	65
	Baskin Robbins	64
	Pizza Hut	62
	KFC	60
	Beijing Bites	60
	Domino's Pizza	60
	Sweet Truth	60
	Subway	60
	McDonald's	59
	Smoor	59

```

82
83
84  /*Q.3- % of Restaurants that do not accept online orders */
85  • SELECT DISTINCT (online_order), COUNT(*) AS Total_orders,
86     ROUND(COUNT(online_order) * 100/(SELECT COUNT(*) FROM zomato_data),2) AS Percent_of_total_orders
87     FROM zomato_data GROUP BY online_order;
88
89     -- More than 50% restaurants do not accept online orders
90
91

```

Result Grid Filter Rows: Export: Wrap Cell Content:


	online_	Total_orders	Percent_of_total_orders
▶	Yes	30439	59.26
	No	20927	40.74

```

90
91
92  /*Q.4- % of Restaurants that provide table booking */
93  •  Select DISTINCT book_table, COUNT(*) AS Total_bookings,
94     ROUND((COUNT(book_table) * 100/(SELECT COUNT(*) FROM zomato_data)),2) AS Percent_of_Total
95     FROM zomato_data GROUP BY book_table;
96
97     -- Nearly 87.5% of restaurants do not have table_booking option
98
99

```

Result Grid


Filter Rows:
Export: 
Wrap Cell Content: 

	book_	Total_bookings	Percent_of_Total
►	Yes	6449	12.55
	No	44917	87.45

```

98
99
100
101 /*Q.5- What are the Top 20 Restaurants types */
102 • SELECT DISTINCT rest_type, COUNT(rest_type) AS Number_of_Restaurants FROM zomato_data
103 GROUP BY rest_type ORDER BY Number_of_Restaurants DESC LIMIT 20;
104
105 -- Quick Bites and Casual Dining are the top restaurant type
106
107

```

Result Grid

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

	rest_type	Number_of_Restaurants
▶	Quick Bites	19048
	Casual Dining	10275
	Cafe	3687
	Delivery	2587
	Dessert Pa...	2240
	Takeaway,...	2016
	Bakery	1141
	Casual Dini...	1136
	Beverage S...	867
	Bar	686
	Food Court	619
	Sweet Shop	468
	Bar, Casual...	415
	Lounge	396
	Pub	357
	Fine Dining	346
	Casual Dini...	311


```
106
107
108  /*Q.6- Top 10 Highest voted Restaurants */
109  •  SELECT DISTINCT name, MAX(votes) AS Number_of_votes FROM zomato_data
110      GROUP BY name ORDER BY Number_of_votes DESC LIMIT 10;
111
112  -- 'Byg Brewski Brewing Company', Toit and Tryffles are some highest voted restaurants
113
114
115
```

	name	Number_of_votes
▶	Byg Brewski B...	16832
	Toit	14956
	Truffles	14726
	AB's - Absolut...	12121
	The Black Pearl	10550
	Big Pitcher	9300
	Onesta	9085
	Arbor Brewin...	8419
	Empire Resta...	8304
	Prost Brew Pub	7871

```
113
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115
116 /*Q.7- Number of Restaurants at different locations */
117 • SELECT DISTINCT location, COUNT(DISTINCT name) AS Number_of_Restaurants FROM zomato_data
118     GROUP BY location ORDER BY Number_of_Restaurants DESC LIMIT 10;
119
120 -- Whitefield has most number of restaurants
121
122
```

	location	Number_of_Restaurants
▶	Whitefield	816
	BTM	698
	Electroni...	693
	HSR	680
	Maratha...	654
	Indiranagar	521
	JP Nagar	500
	Bannerg...	447
	Jayanagar	352
	Bellandur	348

```

121
122
123  /*Q.8- Top 10 Cuisines served in Restaurants */
124  •  Select DISTINCT cuisines, COUNT(cuisines) AS Number_of_Restaurants
125     FROM zomato_data GROUP BY cuisines ORDER BY Number_of_Restaurants DESC;
126
127     -- North Indian is served in most of the Restaurants
128
129
130

```

	cuisines	Number_of_Restaurants
▶	North Indian	2872
	North Indian, Chinese	2377
	South Indian	1822
	Biryani	915
	Bakery, Desserts	903
	Fast Food	798
	Desserts	760
	Cafe	726
	South Indian, North Indian,...	724
	Bakery	651
	Chinese	556
	Ice Cream, Desserts	416
	Chinese, North Indian	415
	Mithai, Street Food	372
	Desserts, Ice Cream	350
	North Indian, Chinese, Biryani	350
	North Indian, South Indian	340

```
128
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130
131 /*Q.9- Cost vs Rating vs Online order */
132 • Select online_order, SUBSTRING(rate,1,3) AS Rating, approx_cost_for_two_people
133     FROM zomato_data ORDER BY Rating DESC, approx_cost_for_two_people;
134
135 -- Good restaurants costs nearly 400 bucks for two people which also accepts online order
136
137
```

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

	online_	Rating	approx_c
▶	Yes	4.9	400
	Yes	4.9	400
	Yes	4.9	400
	Yes	4.9	400
	No	4.9	400
	Yes	4.9	400
	Yes	4.9	400
	Yes	4.9	400
	Yes	4.9	400
	Yes	4.9	400
	Yes	4.9	400
	Yes	4.9	400
	Yes	4.9	400
	No	4.9	1000
	No	4.9	1400
	No	4.9	1400

```
136
137
138 /*Q.10- Difference b/w votes of restaurants accepting and not accepting online orders */
139 • SELECT DISTINCT online_order, SUM(votes) FROM zomato_data GROUP BY online_order;
140
141 -- The restaurants that accepts online orders gets more votes
142
143
144
145
```

	online_	SUM(votes)
▶	Yes	9346459
	No	5240988


```
143
144
145
146 /*Q.11- Difference b/w price of restaurants accepting and not accepting online orders*/
147 • SELECT DISTINCT approx_cost_for_two_people, COUNT(*) AS Cost_count FROM zomato_data
148 GROUP BY approx_cost_for_two_people ORDER BY Cost_count DESC;
149
150 -- Max Restaurants costs 300 to 500 for two people
151
152
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	approx_cost_for_two_people	Cost_count
▶	300	7576
	400	6562
	500	4980
	200	4857
	600	3709
	250	2959
	800	2285
	150	2066
	700	1948
	350	1763
	1000	1637
	450	1417
	100	993
	1200	993
	1500	971
	650	776
	550	761

```
151
152
153  /*Q.12- Top 10 Most Expensive Restaurants */
154  •  SELECT name, MAX(approx_cost_for_two_people) AS Max_Cost FROM zomato_data
155     GROUP BY name ORDER BY Max_cost DESC LIMIT 10;
156
157     -- Le Cirque Signature - The Leela Palace is the costliest Restaurant
158
159
160
```

	name	Max_Cost
▶	Le Cirque Sig...	6000
	Royal Afghan...	5000
	Malties - Radi...	4500
	La Brasserie -...	4100
	Jamavar - Th...	4000
	Dakshin - ITC...	4000
	Dum Pukht Jo...	4000
	Riwaz - The R...	4000
	Edo Restaura...	4000
	Masala Klub - ...	4000

```
158
159
160
161 /*Q.13- Top 10 Cheapest Restaurants */
162 • SELECT name, MIN(approx_cost_for_two_people) AS Min_Cost FROM zomato_data
163    GROUP BY name ORDER BY Min_cost ASC LIMIT 10;
164
165 -- Srinidhi Sagar Deluxe, Srinidhi Sagar, Srinidhi Sagar Food Line are the Cheapest Restaurants
166
167
```

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

	name	Min_Cost
▶	Srinidhi Sagar...	40
	Srinidhi Sagar	40
	Srinidhi Sagar...	40
	Savera Cafe	50
	Bread & Better	50
	Funky Food	60
	Nellore Dosa ...	70
	Namaste	70
	Dtink Lab	80
	Lassi Shop	80

```
165 -- Srinidhi Sagar Deluxe, Srinidhi Sagar, Srinidhi Sagar Food Line are the Cheapest Restaurants
166
167
168 /*Q.14- Top 10 location having cheapest Restaurants */
169 • SELECT DISTINCT location, MIN(approx_cost_for_two_people) AS Min_Cost FROM zomato_data
170 GROUP BY location ORDER BY Min_cost ASC, location LIMIT 10;
171
172 -- Domlur, Indiranagar, Old Airport Road are the cheapest places to eat
173
174
```

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

	location	Min_Cost
►	Domlur	40
	Indiranagar	40
	Old Airpo...	40
	Bannerg...	50
	Shivajina...	50
	Electroni...	60
	BTM	70
	Banasha...	80
	JP Nagar	80
	Kamman...	80