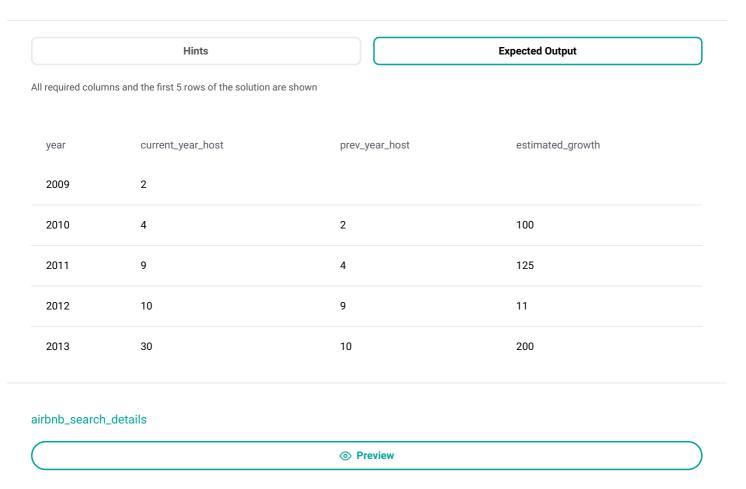


Estimate the growth of Airbnb each year using the number of hosts registered as the growth metric. The rate of growth is calculated by taking ((number of hosts registered in the current year - number of hosts registered in the previous year) / the number of hosts registered in the previous year) * 100.

Output the year, number of hosts in the current year, number of hosts in the previous year, and the rate of growth. Round the rate of growth to the nearest percent and order the result in the ascending order based on the year.

Assume that the dataset consists only of unique hosts, meaning there are no duplicate hosts listed.

Table: airbnb_search_details



id	price	property_type	room_type	amenities	acco
12513361	555.68	Apartment	Entire home/apt	{TV,"Wireless Internet","Air conditioning","Smoke detector","Carbon monoxide detector",Essentials,"Lock on bedroom door",Hangers,Iron}	2
7196412	detector"," 366.36 Cabin Private dryer","tran room en.hosting			{"Wireless Internet",Kitchen,Washer,Dryer,"Smoke detector","First aid kit","Fire extinguisher",Essentials,"Hair dryer","translation missing: en.hosting_amenity_49","translation missing: en.hosting_amenity_50"}	2

id: int price: float property_type: varchar room_type: varchar amenities: varchar accommodates: int bathrooms: int bed_type: varchar cancellation_policy: varchar cleaning_fee: bool city: varchar host_identity_verified: varchar host_response_rate: varchar host_since: datetime neighbourhood: varchar number_of_reviews: int review_scores_rating: float zipcode: int bedrooms: int beds: int

Recommended Hard Interview Questions

ID 2087	Negative Reviews in New Locations					
ID 9957	Find how the average male height changed between each Olympics from 1896 to 2016					
ID 10018	Lyft Driver Salary And Service Tenure					

Recommended Questions from the Same Companies

ID 9626 Find all neighborhoods present in this dataset

ID 9633 City With Most Amenities ID 9602 Dirty Hotel Rooms with cte1 as(select extract(year from host_since) as year_started, count(id) as ~ num_hosts, lag(count(id)) over (order by extract(year from host_since)) as prev_year_num from airbnb_search_details group by 1 order by 1) 2 3 $\textbf{select} \ *, ((\texttt{num_hosts_prev_year_num}) / \texttt{prev_year_num}) * 100 \ \textbf{as} \ \texttt{estimated_growth} \ \textbf{from}$ cte1; 4 #Prayas Dixit 5 C Run Code Solved Use \tau + Enter to run query Highlight some code to execute selection only

Output

View the output in a separate browser tab

Execution time: 0.00486 seconds

Your Solution:

year_started	num_hosts	prev_year_num	estimated_growth
2009	2		
2010	4	2	100
2011	9	4	125
2012	10	9	11.111
2013	30	10	200
2014	33	30	10
2015	33	33	0
2016	28	33	<u>-15 150</u>