1. Query the **NAME** field for all American cities in the **CITY** table with populations larger than 120000. The CountryCode for America is USA.

Solution-select Name from city where population>120000 and countrycode='USA';

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1. Query a list of **CITY** and **STATE** from the **STATION** table.  
   The **STATION** table is described as follows:

Solution-Select City,State from Station;

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1. Query a list of **CITY** names from **STATION** for cities that have an even **ID** number. Print the results in any order, but exclude duplicates from the answer.

Solution-select distinct(city) from station where mod(ID,2)=0;

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1. Find the difference between the total number of **CITY** entries in the table and the number of distinct **CITY** entries in the table.

Solution-select (count(city)-count(Distinct city)) from station;

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5)

select

Round(SQRT(

POWER(MAX(LAT\_N) - MIN(LAT\_N), 2)

+ POWER(MAX(LONG\_W) - MIN(LONG\_W), 2)

), 4)

from

station;

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6) Select S.Name

From ( Students S join Friends F on S.ID=F.ID

join Packages P1 on S.ID=P1.ID

join Packages P2 on F.Friend\_ID=P2.ID)

Where P2.Salary > P1.Salary

Order By P2.Salary;

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