1. Revising the Select Query I

Query all columns for all American cities in CITY with populations larger than 100000. The CountryCode for America is USA.

SELECT \*

FROM CITY

WHERE

COUNTRYCODE = 'USA'

AND POPULATION > 100000;

2. Revising the Select Query II

Query the names of all American cities in CITY with populations larger than 120000. The CountryCode for America is USA.

select name from city

where CountryCode ='USA'

and population >120000;

3. Select All

Query all columns (attributes) for every row in the CITY table.

SELECT \* FROM CITY;

4. Select By ID

Query all columns for a city in CITY with the ID 1661.

SELECT \* FROM CITY

WHERE ID = 1661;

5. Japanese Cities' Attributes

Query all attributes of every Japanese city in the CITY table. The COUNTRYCODE for Japan is JPN.

SELECT\* FROM CITY

WHERE COUNTRYCODE='JPN';

6. Weather Observation Station 1

Query a list of CITY and STATE from the STATION table.

7. Weather Observation Station 2

Query a list of CITY and STATE from the STATION table.

SELECT CITY,STATE FROM STATION;

8. Weather Observation Station 3

Query a list of CITY names from STATION with even ID numbers only.

You may print the results in any order, but must exclude duplicates from your answer.

SELECT DISTINCT CITY FROM STATION

WHERE (id % 2) = 0;

9. Weather Observation Station 4

Let be the number of CITY entries in STATION, and let be the number of distinct CITY names in STATION;

query the value of from STATION. In other words,

find the difference between the total number of CITY entries in the table and the number of distinct CITY entries in the table.

SELECT COUNT(CITY)-COUNT(DISTINCT CITY) FROM STATION ;

10. Weather Observation Station 6

Query the list of CITY names starting with vowels (i.e., a, e, i, o, or u) from STATION.

Your result cannot contain duplicates.

SELECT DISTINCT CITY FROM STATION WHERE left(CITY,1) IN ('a','i','e','o','u')

11. Weather Observation Station 7

Query the list of CITY names ending with vowels (a, e, i, o, u) from STATION. Your result cannot contain duplicates.

SELECT DISTINCT CITY FROM STATION WHERE right(CITY,1) IN ('a','i','e','o','u')

12. Weather Observation Station 8

13. Weather Observation Station 9

14. Weather Observation Station 10