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.  
for ORACLE

SELECT DISTINCT(CITY) FROM STATION WHERE MOD(ID,2)=0 ;

for MySQL

SELECT DISTINCT(CITY) FROM STATION WHERE (ID%2)=0 ;

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

for MySQL

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

3- Query the two cities in **STATION** with the shortest and longest CITY names, as well as their respective lengths (i.e.: number of characters in the name). If there is more than one smallest or largest city, choose the one that comes first when ordered alphabetically.

**Explanation**

When ordered alphabetically, the **CITY** names are listed as **ABC, DEF, PQRS,** and **WXY**, with lengths  and . The longest name is **PQRS**, but there are  options for shortest named city. Choose **ABC**, because it comes first alphabetically.

**Note**  
You can write two separate queries to get the desired output. It need not be a single query.

for ORACLE

1-SELECT \* FROM (SELECT CITY, LENGTH(CITY) FROM STATION ORDER BY LENGTH(CITY), CITY)

WHERE ROWNUM = 1

UNION

SELECT \* FROM (SELECT CITY, LENGTH(CITY) FROM STATION ORDER BY LENGTH(CITY) DESC, CITY) WHERE ROWNUM = 1;

for MySQL

2-select city, length(city) from station order by length(city),city asc limit 1;

select city, length(city) from station order by length(city) desc limit 1;

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

for MySQL

SELECT DISTINCT CITY FROM STATION

WHERE CITY REGEXP '[aeiou]$';

for ORACLE

SELECT DISTINCT CITY

FROM STATION

WHERE REGEXP\_LIKE(City, '[aeiou]$');

select DISTINCT CITY from station where city regexp '[aeiou]$' and city in (SELECT CITY FROM STATION WHERE CITY REGEXP '^[aeiou]');

select distinct city from station

where left(city,1) in ('a','e','i','o','u')

and right(city, 1) in ('a','e','i','o','u')