

# SQL queries

Q1

The screenshot shows the HackerRank interface for the 'Weather Observation Station 7' problem. The problem description asks for a query to list city names ending with vowels (a, e, i, o, u) from the 'STATION' table, with no duplicates. The 'STATION' table schema is provided:

Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

Below the table, it notes that LAT\_N is the northern latitude and LONG\_W is the western longitude. The right side of the interface shows a code editor with a MySQL database selected and a query prompt: 'Enter your query here.' The editor is currently empty, and the status bar at the bottom indicates 'Line: 1 Col: 1'. Buttons for 'Run Code' and 'Submit Code' are visible.

answer:

```
SELECT DISTINCT CITY
FROM STATION
WHERE CITY LIKE "%a" OR CITY LIKE "%e" OR CITY LIKE "%i" OR CITY LIKE
"%o" OR CITY LIKE "%u";
```

Q2

HackerRank | Prepare | SQL | Basic Select | Weather Observation Station 8 | Exit Full Screen View

Press **F11** to exit full screen

MySQL

**Problem**

Query the list of CITY names from STATION which have vowels (i.e., a, e, i, o, and u) as both their first and last characters. Your result cannot contain duplicates.

**Input Format**

The STATION table is described as follows:

STATION	
Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

where LAT\_N is the northern latitude and LONG\_W is the western longitude.

1 SELECT CITY FROM STATION  
2 WHERE CITY LIKE "

Line: 2 Col: 18

Upload Code as File

Run Code Submit Code

answer:

```
SELECT DISTINCT city
FROM station
WHERE city RLIKE '^[aeiouAEIOU].*[aeiouAEIOU]$'
```

Q3:

HackerRank

PrepareSQLBasic SelectRevising the Select Query II

Exit Full Screen View

Problem

Submissions

Leaderboard

Discussions

Editorial

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

The **CITY** table is described as follows:

CITY	
Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

DB2

1

Line: 1 Col: 1

Upload Code as File

Run Code

Submit Code

Processing...

answer:

```
SELECT NAME
FROM CITY
WHERE COUNTRYCODE= "USA" AND POPULATION >= 120000
```