

1. What is the address of Bello Azibo?

- A. 129 Ziwa La Kioo Road
- B . 100 Mogadishu Road
- C. 51 Addis Ababa Road
- D. 119 Moroni Avenue

2.What is the name and phone number of our Microbiologist?

- A. Vuyisile Ghadir, +99712584936
- B. Usafi Bahir, +99234156789
- C. Vuyisile Ghadir, +99317854629
- D. Jengo Tumaini, +99712584936

3.What is the source_id of the water source shared by the most number of people? Hint: Use a comparison operator.

- A. AkRu04862224
- B. AmAs10911224
- C. AkHa00036224
- D. AkRu05603224

4.What is the population of Maji Ndogo?

Hint: Start by searching the data_dictionary table for the word 'population'.

- A. 27,628.1 people
- B. 146 million people
- C. 27.6 million people
- D. 29.8 million people

5.Which SQL query returns records of employees who are Civil Engineers residing in Dahabu or living on an avenue?

- A.

```
SELECT *  
FROM employee  
WHERE (position = 'Civil Engineer' AND province_name = 'Dahabu') OR address LIKE '%Avenue%';
```

B. SELECT *
FROM employee
WHERE position = 'Civil Engineer' AND (province_name = 'Dahabu' OR address = 'Avenue');

C. SELECT *
FROM employee
WHERE position = 'Civil Engineer' AND province_name = 'Dahabu' OR address LIKE '%Avenue%';

D. SELECT *
FROM employee
WHERE position = 'Civil Engineer' AND (province_name = 'Dahabu' OR address LIKE '%Avenue%');

6. Create a query to identify potentially suspicious field workers based on an anonymous tip.
This is the description we are given:

The employee's phone number contained the digits 86 or 11.

The employee's last name started with either an A or an M.

The employee was a Field Surveyor.

Which option is correct?

- A. Only Zuriel Matembo fits this description.
- B. Only Bello Azibo fits this description.
- C. Four employees fit this description.
- D. Bello Azibo and Zuriel Matembo both fit this description.

7. What is the result of the following query? Choose the most appropriate description of the results set.

SELECT *
FROM well_pollution
WHERE description LIKE 'Clean_%' OR results = 'Clean' AND biological < 0.01;

- A. 0 records are returned. This query describes the pollution samples that were classified as 'Clean' but were actually contaminated.
- B. 4916 records are returned. This query describes the pollution samples that were classified as 'Clean' but were actually contaminated.

C. 4954 records are returned. This query describes the pollution samples that had an insignificant amount of biological contamination.

D. 4916 records are returned. This query describes the pollution samples that had an insignificant amount of biological contamination.

8. Which query will identify the records with a quality score of 10, visited more than once?

A. `SELECT * FROM water_quality WHERE visit_count > 1 AND subjective_quality_score > 10`

B. `SELECT * FROM water_quality WHERE visit_count >= 2 AND subjective_quality_score = 10`

C. `SELECT * FROM water_quality WHERE visit_count = 2 AND subjective_quality_score = 10`

D. `SELECT * FROM water_quality WHERE visit_count = 2 OR subjective_quality_score = 10`

9. You have been given a task to correct the phone number for the employee named 'Bello Azibo'. The correct number is +99643864786. Write the SQL query to accomplish this. Note: Running these queries on the employee table may create issues later, so use the knowledge you have learned to avoid that.

A. `UPDATE employee`

`SET phone_number = '+99643864786';`

B. `UPDATE employee`

`SET phone_number = '+99643864786'`

`WHERE employee_name = 'Bello Azibo';`

C. `UPDATE employee`

`SET phone_number = +99643864786`

`WHERE employee_name = 'Bello Azibo';`

D. `UPDATE employee`

`SET phone_number = '+99643864786'`

`WHERE name = 'Bello Azibo';`

10. How many rows of data are returned for the following query?

`SELECT *`

`FROM well_pollution`

`WHERE description`

`IN ('Parasite: Cryptosporidium', 'biologically contaminated')`

OR (results = 'Clean' AND biological > 0.01);

- A. 634 rows
- B. 5486 rows
- C. 570 rows
- D. 750 rows