$\underline{\mathbf{BWT}}$

DATA ENGINEERING

ABDUL BASIT

TASK#4

1. Write a query to fetch all customer names and sort them alphabetically. (Topic Soring)

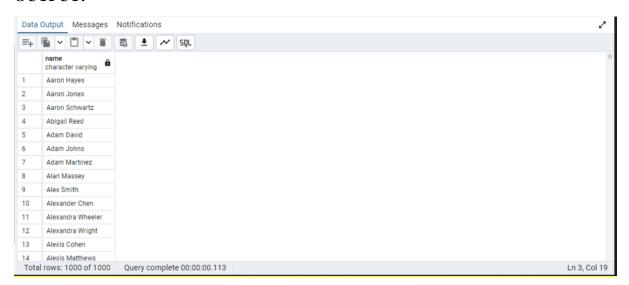
QUERY:

SELECT name

FROM customers

ORDER BY name ASC;

OUTPUT:



2. Write a query to fetch all product names and their prices, sorted by price from low to high. (Topic Sorting)

QUERY:

SELECT name, price

FROM products

ORDER BY price ASC;

OUTPUT:



3. Write a query to fetch supplier names that start with the letter 'A' and sort them by their names. (Topic Sorting with Operators and Wildcards)

QUERY:

SELECT name

FROM suppliers

WHERE name ILIKE 'A%'

ORDER BY name ASC;

OUTPUT:



4. Write a query to fetch all items and sort them by their status, placing NULL values first.

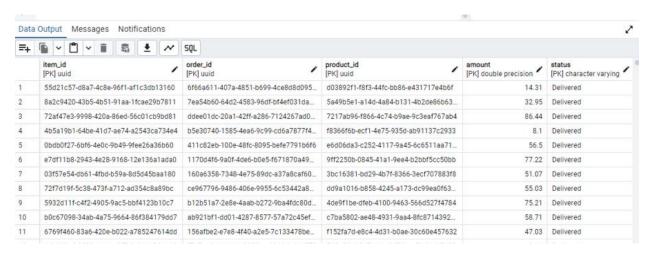
QUERY:

SELECT *

FROM items

ORDER BY status NULLS FIRST;

OUTPUT:



5. Write a query to fetch all products, sort them first by category and then by price in descending order.

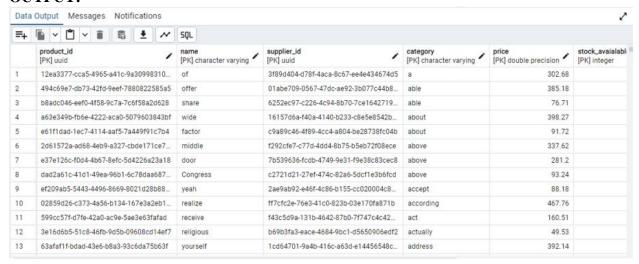
QUERY:

SELECT *

FROM products

ORDER BY category ASC, price DESC;

OUTPUT:



6. Write a query to fetch all customer names and phone numbers, but sort them by the last four digits of their phone numbers in ascending order. (Hint use sorting with substings)

QUERY:

SELECT name, phone

FROM customers

ORDER BY substring(phone from '-4'::text) ASC;

OUTPUT:

