**Aggregate Functions MCQs**

**1.Observe the given SQL query and choose the correct option.**

**SELECT** branch\_name, **COUNT** (**DISTINCT** customer\_name)

**FROM** depositor, account

**WHERE** depositor.account\_number = account.account\_number

**GROUP** **BY** branch\_id

a) The query is syntactically correct but gives the wrong answer

b) The query is syntactically wrong

c) The query is syntactically correct and gives the correct answer

d) The query contains one or more wrongly named clauses.

**2.We apply the aggregate function to a group of sets of attributes using the \_\_\_\_\_\_\_ clause**.

a) group by

b) group

c) group set

d) group attribute

**3.The \_\_\_\_\_ aggregation operation adds up all the values of the attribute**

a) add

b) avg

c) max

d) sum

**4. State true or false: Any attribute which is present in the having clause without being aggregated must not be present in the group by clause.**

a) True

b) False

**5. What values does the count(\*) function ignore?**

a) Repetitive values

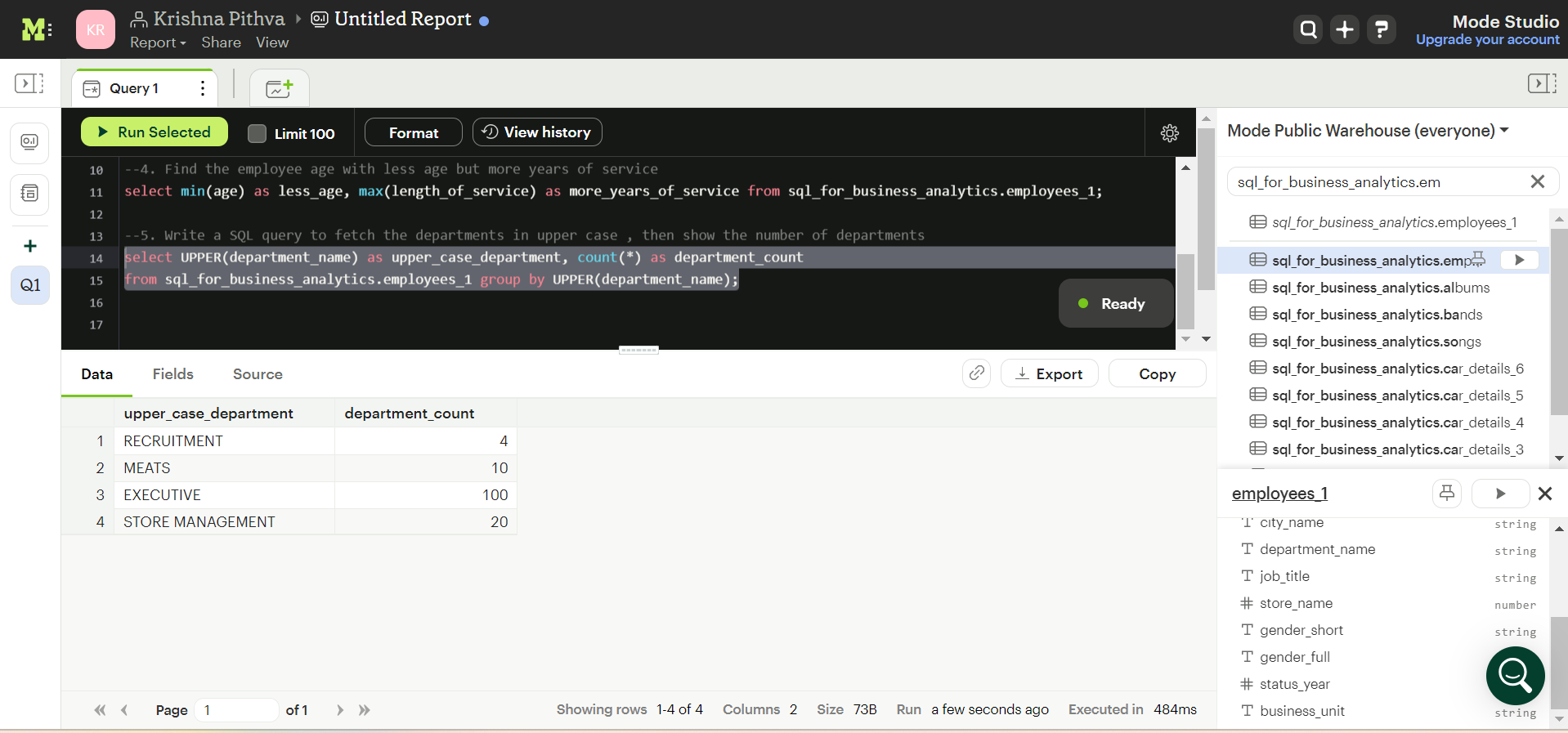
b) Null values

c) Characters

d) Integers

**Use the dataset sql\_for\_business\_analytics.employees\_1**

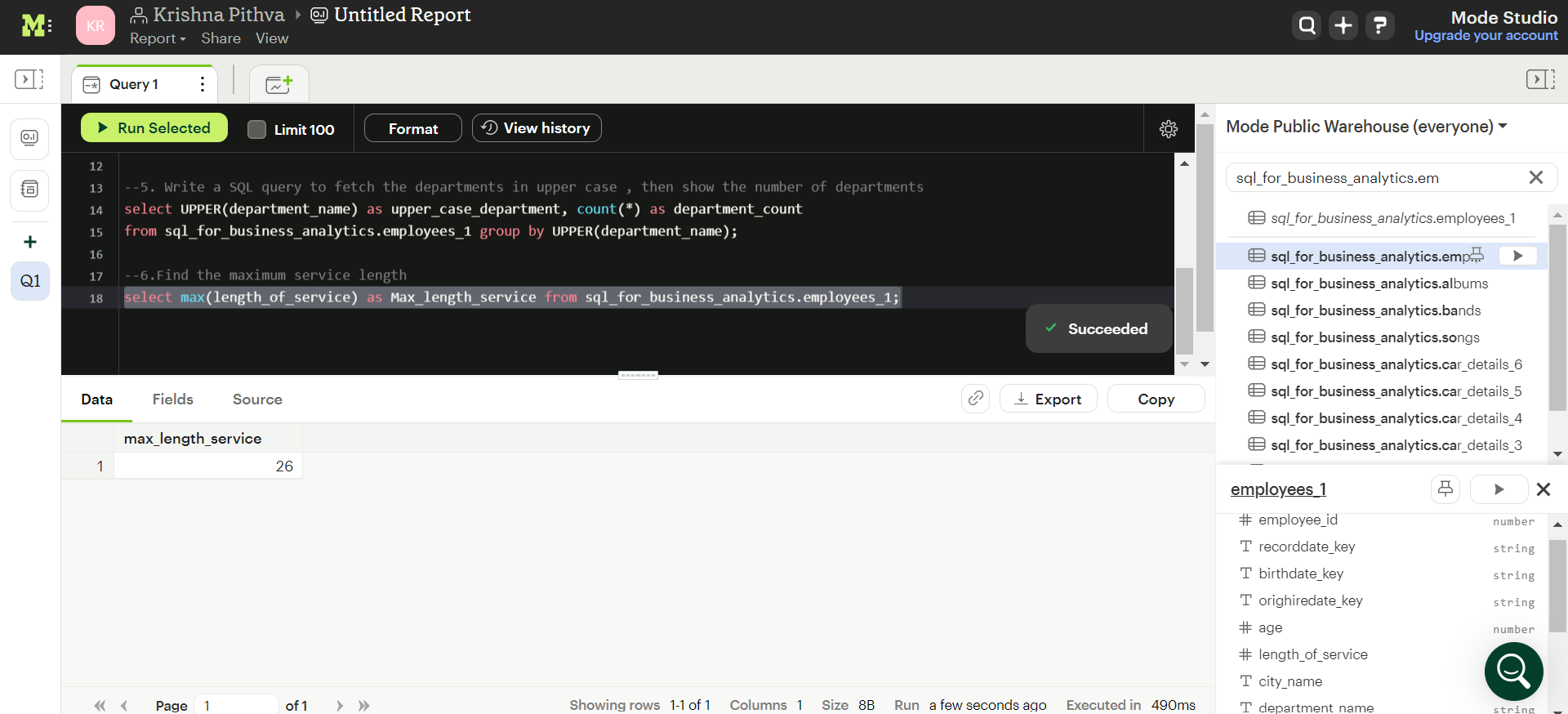
**1) Write a SQL query to fetch the departments in upper case , then show the number of departments.**



**select UPPER(department\_name) as upper\_case\_department, count(\*) as department\_count**

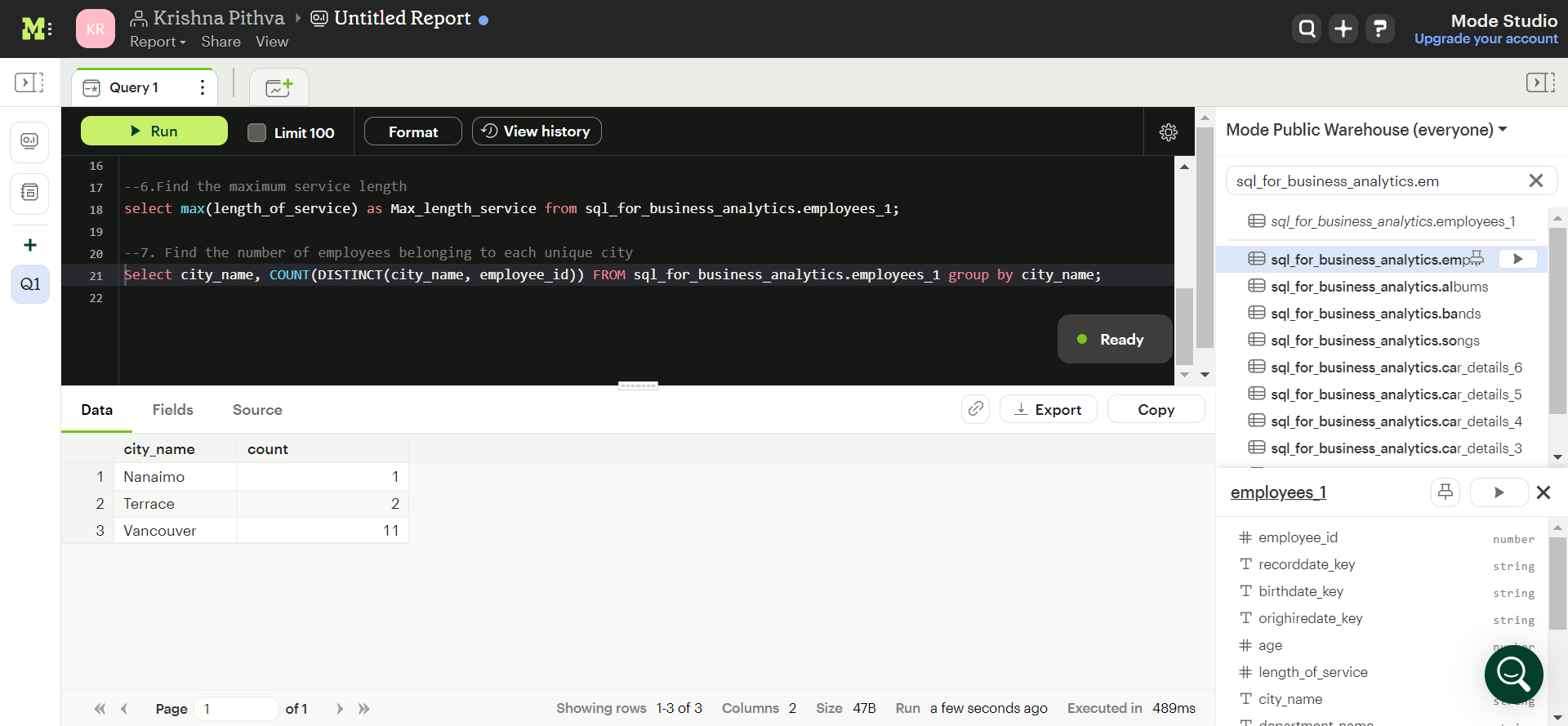
**from sql\_for\_business\_analytics.employees\_1 group by UPPER(department\_name);**

**2) Find the maximum service length**

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select max(length\_of\_service) as Max\_length\_service from sql\_for\_business\_analytics.employees\_1;

**3) Find the number of employees belonging to each unique city.**

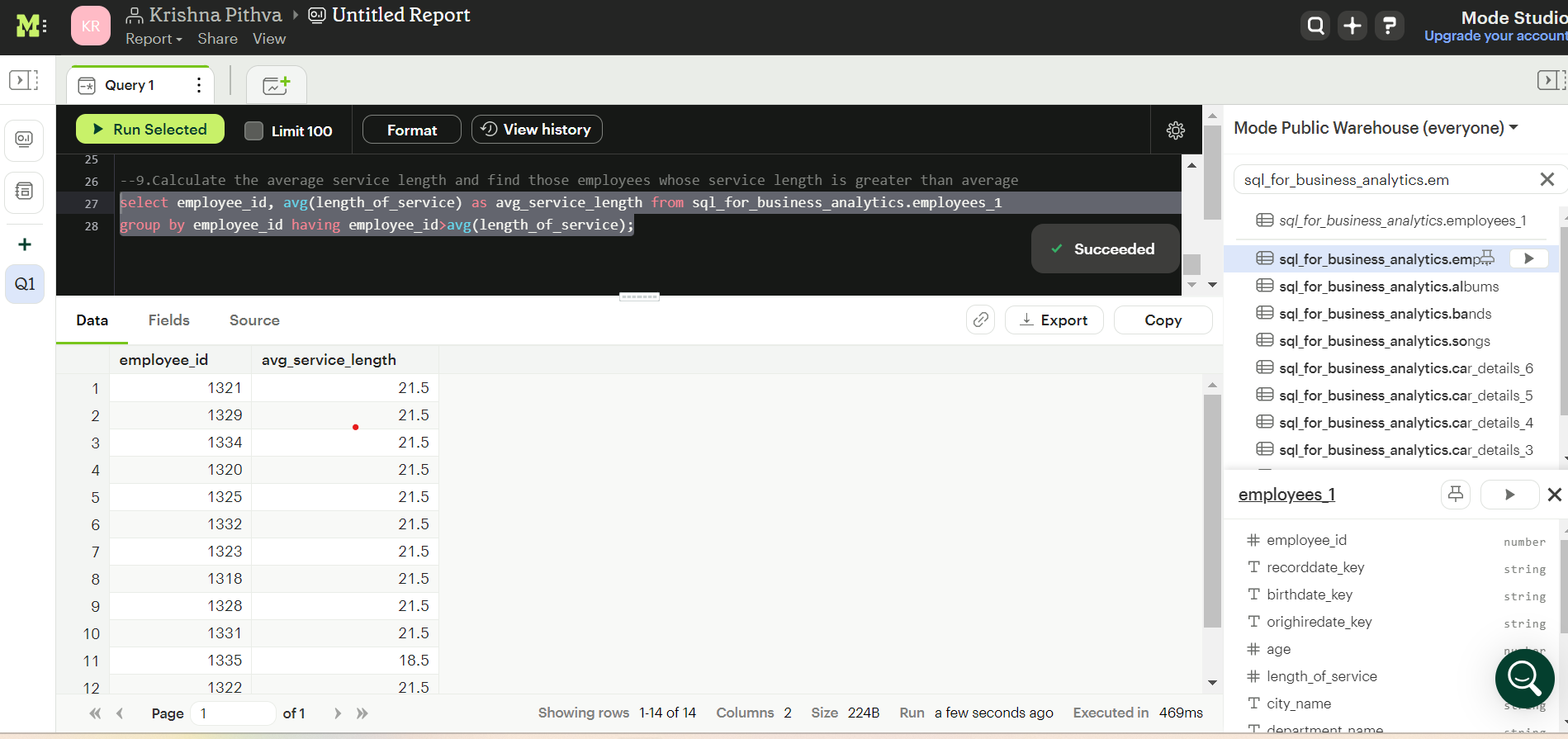
Select city\_name, COUNT(DISTINCT(city\_name, employee\_id)) FROM sql\_for\_business\_analytics.employees\_1 group by city\_name;****

**4) Find the minimum and maximum age at which an employee was terminated.**

I could not solve this problem.

Reason: There is no termination data.

**5) Calculate the average service length and find  those employees whose service length is greater than average.**

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select employee\_id, avg(length\_of\_service) as avg\_service\_length from sql\_for\_business\_analytics.employees\_1 group by employee\_id having employee\_id > avg(length\_of\_service);