Task 3

Question 1:

WITH table\_1 AS

(SELECT

EXTRACT (YEAR FROM rental\_date) AS year,

EXTRACT (MONTH FROM rental\_date) AS month,

EXTRACT (DAY FROM rental\_date) AS DAY,

rental\_id

FROM rental\_fact)

SELECT

COUNT(table\_1.rental\_id),

table\_1.day,

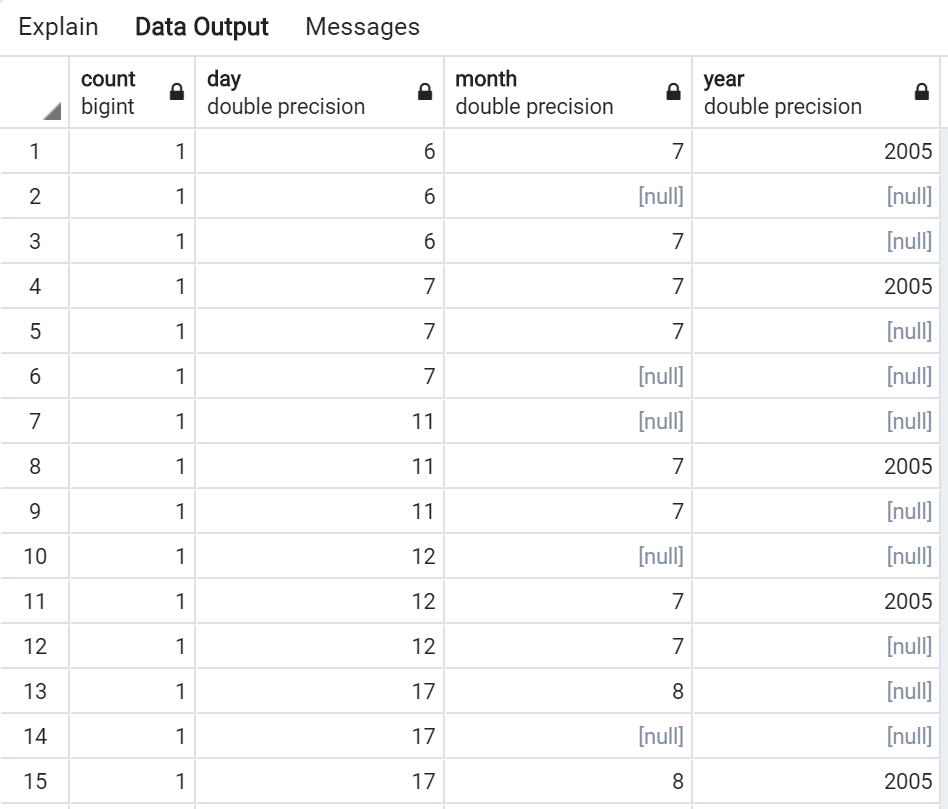
table\_1.month,

table\_1.year

FROM table\_1

GROUP BY ROLLUP (day,month,year)

ORDER BY day;



Question 2

WITH table\_2 AS(

SELECT

EXTRACT (MONTH FROM rental\_date) AS month,

rental\_fact.payment\_amount,

rental\_fact.customer\_id AS customer\_id,

dim\_customer.city AS city,

store\_id

FROM rental\_fact

INNER JOIN dim\_customer ON dim\_customer.customer\_id = rental\_fact.customer\_id)

SELECT

SUM(table\_2.payment\_amount) AS sales,

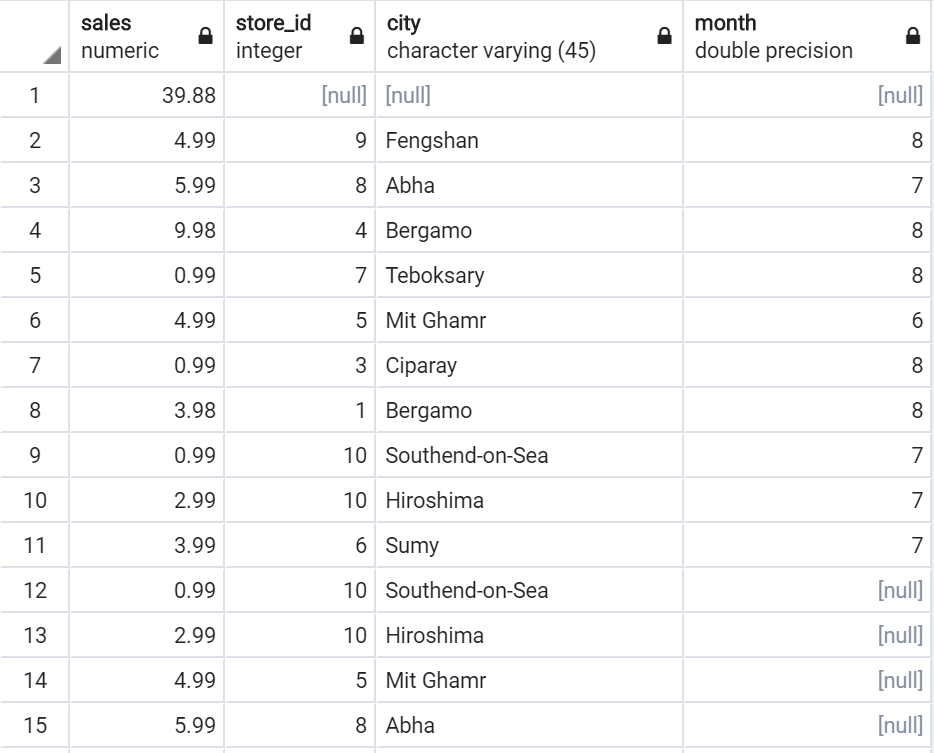
store\_id,

city,

month

FROM table\_2

GROUP BY CUBE(store\_id,city,month)



Question 3

WITH table\_3 AS(

SELECT

rental\_id,

dim\_inventory.title,

dim\_inventory.category\_name AS category,

EXTRACT (MONTH FROM rental\_date) AS month

FROM rental\_fact

INNER JOIN dim\_inventory ON dim\_inventory.inventory\_id = rental\_fact.inventory\_id)

SELECT

COUNT(rental\_id),

title,

category,

month

FROM table\_3

GROUP BY CUBE(2,3,4);

