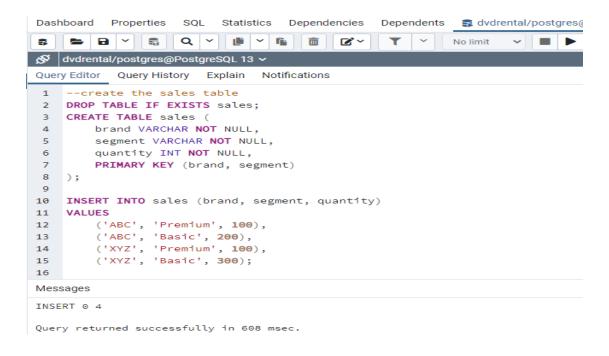
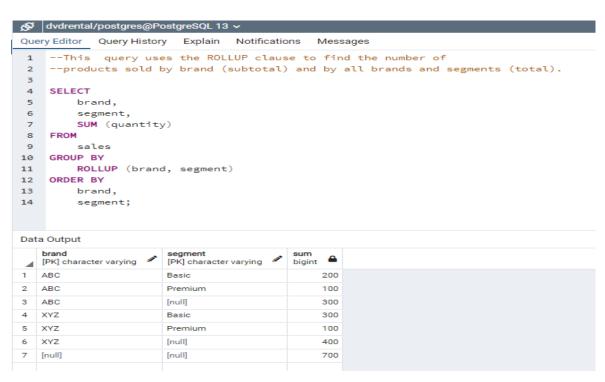
POSTGRESQL ROLL UP





```
    dvdrental/postgres@PostgreSQL 13 
    ✓
 Query Editor Query History Explain Notifications Messages
 1 --This query change the order of brand and segment, the result will be different
    SELECT
 3
 4
         segment,
         brand,
 6
         SUM (quantity)
 7
 8
         sales
 9
    GROUP BY
         ROLLUP (segment, brand)
 10
 11 ORDER BY
       segment,
 12
 13
        brand;
 14
Data Output
 segment
[PK] character varying
                        brand
[PK] character varying
                                             sum
bigint
                                                  200
 2 Basic
                        XYZ
                                                  300
 3 Basic
                        [null]
                                                  500
 4 Premium
                        ABC
                                                  100
 5 Premium
                        XYZ
                                                  100
 6 Premium
                        [null]
                                                  200
 7 [null]
                        [null]
                                                  700
```

```
త్ర dvdrental/postgres@PostgreSQL 13 ∨
Query Editor Query History Explain
                                  Notifications Messages
    --This query performs a partial roll-up
 2
    SELECT
 3
         segment,
 4
         brand,
 5
        SUM (quantity)
    FROM
 6
 7
         sales
 8
    GROUP BY
9
        segment,
        ROLLUP (brand)
10
11
    ORDER BY
12
        segment,
13
         brand;
14
Data Output
```

Dat	a Output		
4	segment [PK] character varying	brand [PK] character varying	sum bigint
1	Basic	ABC	200
2	Basic	XYZ	300
3	Basic	[null]	500
4	Premium	ABC	100
5	Premium	XYZ	100
6	Premium	[null]	200

dvdrental/postgres@PostgreSQL 13 ∨

```
Query Editor Query History Explain Notifications Messages
1 --This statement finds the number of rental per day, month, and year by using the ROLLUP
 2 SELECT
 3
       EXTRACT (YEAR FROM rental_date) y,
 4
      EXTRACT (MONTH FROM rental_date) M,
 5
      EXTRACT (DAY FROM rental_date) d,
 6
      COUNT (rental_id)
 7 FROM
8
       rental
9 GROUP BY
10
    ROLLUP (
      EXTRACT (YEAR FROM rental_date),
EXTRACT (MONTH FROM rental_date),
EXTRACT (DAY EDON and A
11
12
13
           EXTRACT (DAY FROM rental_date)
     );
14
15
```

Data Output

	•				
4	y double precision	m double precision ▲	d double precision $lacktriangle$	count bigint	
1	2005	5	24	8	
2	2005	5	25	137	
3	2005	5	26	174	
4	2005	5	27	166	
5	2005	5	28	196	
6	2005	5	29	154	
7	2005	5	30	158	
8	2005	5	31	163	