PostgreSQL CUBE

```
1 -- The following illustrates the syntax of the CUBE subclause:
2
3 SELECT
4
       c1,
5
       c2,
6
       с3,
       aggregate (c4)
7
8 FROM
9
       table_name
10 GROUP BY
11
       CUBE (c1, c2, c3);
```

```
Query Editor Query History Explain Messages Notifications
 1 --The following query uses the CUBE subclause to generate multiple grouping sets:
  3 SELECT
    segment,
SUM (quantity)
FROM
    sales
GROUP BY
10 CUBE (brand, segment)
11 ORDER BY
       brand,
segment;
Data Output
 brand segment [PK] character varying segment [PK] character varying bigint 1

ABC Basic 200
2 ABC
                           Premium
                                                      100
3 ABC
                          [null]
                                                      300
4 XYZ
                          Basic
                                                      300
 5 XYZ
                          Premium
                                                      100
6 XYZ
                          [null]
                                                      400
7 [null]
                           Basic
                                                      500
8 [null]
                           Premium
                                                      200
9 [null]
                          Inull
                                                      700
```

Que	ery Editor Query Histo	ry Explain Message	s Notification				
1	The following	query performs a p	artial cube:				
2							
3	SELECT						
4	brand,						
5	segment,						
6	SUM (quantity)						
7	FROM						
8	sales						
9	GROUP BY						
10	brand,						
11	CUBE (segment)						
	ORDER BY						
12	ORDER BY						
13	brand,						
13 14	brand,						
13 14	brand, segment;	segment [PK] character varying	sum bigint				
13 14 Dat	brand, segment; ta Output						
13 14 Dat	brand, segment; a Output brand [PK] character varying	[PK] character varying	bigint				
13 14 Dat	brand, segment; a Output brand [PK] character varying ABC	[PK] character varying Basic	bigint 200				
13 14 Dat	brand, segment; a Output brand [PK] character varying ABC ABC	[PK] character varying Basic Premium	200 100				
13 14 Dat	brand, segment; a Output brand [PK] character varying ABC ABC ABC	[PK] character varying Basic Premium [null]	200 100 300				