

MDS Assignment - 10

mysql> select * from sales;

ITEM_NAME	COLOR	CLOTHES_SIZE	QUANTITY
skirt	dark	medium	5
skirt	dark	large	1
skirt	pastel	small	11
skirt	pastel	medium	9
skirt	pastel	large	15
skirt	white	small	2
skirt	white	medium	5
skirt	white	large	3
dress	dark	small	2
dress	dark	medium	6
dress	dark	large	12
dress	pastel	small	4
dress	pastel	medium	3
dress	pastel	large	3
dress	white	small	2
dress	white	medium	3
dress	white	large	0
shirt	dark	small	2
shirt	dark	medium	6
shirt	dark	large	6
shirt	pastel	small	4
shirt	pastel	medium	1
shirt	pastel	large	2
shirt	white	small	17
shirt	white	medium	1
shirt	white	large	10

pant	dark	small	14
pant	dark	medium	6
pant	dark	large	0
pant	pastel	small	1
pant	pastel	medium	0
pant	pastel	large	1
pant	white	small	3
pant	white	medium	0
pant	white	large	2

mysql> select item_name , color, sum(quantity) from sales group by cube(item_name, color);

ITEM_NAME	COLOR	SUM(QUANTITY)
-	-	162
-	dark	60
-	white	48
-	pastel	54
pant	-	27
pant	dark	20
pant	white	5
pant	pastel	2
dress	-	35
dress	dark	20
dress	white	5
dress	pastel	10
pant	-	0
pant	white	0
pant	pastel	0
shirt	-	49
shirt	dark	14

shirt	white	28
shirt	pastel	7
skirt	-	51
skirt	dark	6
skirt	white	10
skirt	pastel	35

mysql> select item_name, sum(quantity) from sales where item_name = 'skirt';

ITEM_NAME	SUM(QUANTITY)
skirt	51

mysql> select item_name, sum(quantity) from sales group by item_name;

ITEM_NAME	SUM(QUANTITY)
dress	35
skirt	51
shirt	49
pant	0
pant	27

mysql> select sum(quantity) from sales group by color;

SUM(QUANTITY)
60
54
48

mysql> select item_name, color, clothes_size, sum(quantity) from sales group by rollup (item_name, color, clothes_size);

ITEM_NAME	COLOR	CLOTHES_SIZE	SUM(QUANTITY)
pant	dark	large	0

pant	dark	small	14
pant	dark	medium	6
pant	dark	-	20
pant	white	large	2
pant	white	small	3
pant	white	-	5
pant	pastel	large	1
pant	pastel	small	1
pant	pastel	-	2
pant	-	-	27

dress	dark	large	12
dress	dark	small	2
dress	dark	medium	6
dress	dark	-	20
dress	white	large	0
dress	white	small	2
dress	white	medium	3
dress	white	-	5
dress	pastel	large	3
dress	pastel	small	4
dress	pastel	medium	3
dress	pastel	-	10
dress	-	-	35
pant	white	medium	0
pant	white	-	0
pant	pastel	medium	0
pant	pastel	-	0
pant	-	-	0
shirt	dark	large	6

shirt	dark	small	2
shirt	dark	medium	6
shirt	dark	-	14
shirt	white	large	10
shirt	white	small	17
shirt	white	medium	1
shirt	white	-	28
shirt	pastel	large	2
shirt	pastel	small	4
shirt	pastel	medium	1
shirt	pastel	-	7
shirt	-	-	49
skirt	dark	large	1
skirt	dark	medium	5
skirt	dark	-	6
skirt	white	large	3
skirt	white	small	2
skirt	white	medium	5
skirt	white	-	10
skirt	pastel	large	15

mysql> select item_name,color,clothes_size,sum(quantity)from sales group by rollup
(item_name,color,clothes_size);

ITEM_NAME	COLOR	CLOTHES_SIZE	SUM(QUANTITY)
pant	dark	large	0
pant	dark	small	14
pant	dark	medium	6
pant	dark	-	20
pant	white	large	2

pant	white	small	3
pant	white	-	5
pant	pastel	large	1
pant	pastel	small	1
pant	pastel	-	2
pant	-	-	27
dress	dark	large	12
dress	dark	small	2
dress	dark	medium	6
dress	dark	-	20
dress	white	large	0
dress	white	small	2
dress	white	medium	3
dress	white	-	5
dress	pastel	large	3
dress	pastel	small	4
dress	pastel	medium	3
dress	pastel	-	10
dress	-	-	35
pant	white	medium	0
pant	white	-	0
pant	pastel	medium	0
pant	pastel	-	0
pant	-	-	0
shirt	dark	large	6
shirt	dark	small	2
shirt	dark	medium	6
shirt	dark	-	14
shirt	white	large	10
shirt	white	small	17

shirt	white	medium	1
shirt	white	-	28
shirt	pastel	large	2
shirt	pastel	small	4
shirt	pastel	medium	1
shirt	pastel	-	7
shirt	-	-	49
shirt	dark	large	1
skirt	dark	medium	5
skirt	dark	-	6
skirt	white	large	3
skirt	white	small	2
skirt	white	medium	5
skirt	white	-	10
skirt	pastel	large	15