A simple but interesting problem. A table is given with grouped values. You have to ungroup the table.

In the below sold_item table total number of products sold is given by the column total_quantity. For example, the total quantity of the product camera sold is 4(in the row id=3)

id	product_name	total_quantity
1	laptop	3
2	mobile	1
3	camera	4

Table: sold_items

We have to un group the products i.e. laptop will appear three times, mobile will appear only once as its total_quantity is 1 and camera will appear four times as given in the below output table.

id	product_name
1	laptop
1	laptop
1	laptop
2	mobile
3	camera
3	camera
3	camera
3	camera

Output table