Table: Warehouse

+	-+	+
Column Name	J 1	I
+	-+	+
name	varchar	
product_id	int	
units	int	1
+	-+	+

(name, product\_id) is the primary key for this table.

Each row of this table contains the information of the products in each warehouse.

Table: Products

+	+	-+
Column Name	Type	İ
1		
product_id	int	
product_name	varchar	
Width	int	
Length	int	
Height	int	
+	+	-+

product\_id is the primary key for this table.

Each row of this table contains information about the product dimensions (Width, Lenght, and

Write an SQL query to report the number of cubic feet of **volume** the inventory occupies in each warehouse.

Return the result table in any order.

The query result format is in the following example.

Example 1:\*\*

## Input:

Warehouse table:

+	-+		+
name		t_id   units	 
<del>+</del>			+
LCHouse1	1	1	
LCHouse1	2	10	- 1
LCHouse1	3	5	- 1

	LCHouse2	1	1 2	
	LCHouse2	1 2	2	- 1
	LCHouse3	4	1	1

+----

## Products table:

_		+	<b></b>		L	_
	product_id	'   product_name +	Width		Height	  -
1			5	50	l 40	
-	2	LC-KeyChain	5	5	5	
-	3	LC-Phone	l 2	10	l 10	
-	4	LC-T-Shirt	4	10	l 20	

+----+

## Output:

		٠.		
İ	warehouse_name	İ		İ
•	LCHouse1	•	12250	i
-	LCHouse2	1	20250	1
-	LCHouse3	1	800	- 1

## Explanation:

Volume of product\_id = 1 (LC-TV), 5x50x40 = 10000

Volume of product\_id = 2 (LC-KeyChain), 5x5x5 = 125

Volume of product\_id = 3 (LC-Phone), 2x10x10 = 200

Volume of product\_id = 4 (LC-T-Shirt), 4x10x20 = 800

LCHouse1: 1 unit of LC-TV + 10 units of LC-KeyChain + 5 units of LC-Phone.

Total volume: 1\*10000 + 10\*125 + 5\*200 = 12250 cubic feet

LCHouse2: 2 units of LC-TV + 2 units of LC-KeyChain.

Total volume: 2\*10000 + 2\*125 = 20250 cubic feet

LCHouse3: 1 unit of LC-T-Shirt.

Total volume: 1\*800 = 800 cubic feet.