SQL Schema

Table: Orders

+---------------+---------+

| Column Name | Type |

+---------------+---------+

| order\_id | int |

| customer\_id | int |

| order\_date | date |

| item\_id | varchar |

| quantity | int |

+---------------+---------+

(ordered\_id, item\_id) is the primary key for this table.

This table contains information of the orders placed.

order\_date is the date when item\_id was ordered by the customer with id customer\_id.

Table: Items

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| Column Name | Type |

+---------------------+---------+

| item\_id | varchar |

| item\_name | varchar |

| item\_category | varchar |

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item\_id is the primary key for this table.

item\_name is the name of the item.

item\_category is the category of the item.

You are the business owner and would like to obtain a sales report for category items and day of the week.

Write an SQL query to report how many units in each category have been ordered on each **day of the week**.

Return the result table **ordered** by category.

The query result format is in the following example:

Orders table:

+------------+--------------+-------------+--------------+-------------+

| order\_id | customer\_id | order\_date | item\_id | quantity |

+------------+--------------+-------------+--------------+-------------+

| 1 | 1 | 2020-06-01 | 1 | 10 |

| 2 | 1 | 2020-06-08 | 2 | 10 |

| 3 | 2 | 2020-06-02 | 1 | 5 |

| 4 | 3 | 2020-06-03 | 3 | 5 |

| 5 | 4 | 2020-06-04 | 4 | 1 |

| 6 | 4 | 2020-06-05 | 5 | 5 |

| 7 | 5 | 2020-06-05 | 1 | 10 |

| 8 | 5 | 2020-06-14 | 4 | 5 |

| 9 | 5 | 2020-06-21 | 3 | 5 |

+------------+--------------+-------------+--------------+-------------+

Items table:

+------------+----------------+---------------+

| item\_id | item\_name | item\_category |

+------------+----------------+---------------+

| 1 | LC Alg. Book | Book |

| 2 | LC DB. Book | Book |

| 3 | LC SmarthPhone | Phone |

| 4 | LC Phone 2020 | Phone |

| 5 | LC SmartGlass | Glasses |

| 6 | LC T-Shirt XL | T-Shirt |

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Result table:

+------------+-----------+-----------+-----------+-----------+-----------+-----------+-----------+

| Category | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |

+------------+-----------+-----------+-----------+-----------+-----------+-----------+-----------+

| Book | 20 | 5 | 0 | 0 | 10 | 0 | 0 |

| Glasses | 0 | 0 | 0 | 0 | 5 | 0 | 0 |

| Phone | 0 | 0 | 5 | 1 | 0 | 0 | 10 |

| T-Shirt | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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On Monday (2020-06-01, 2020-06-08) were sold a total of 20 units (10 + 10) in the category Book (ids: 1, 2).

On Tuesday (2020-06-02) were sold a total of 5 units in the category Book (ids: 1, 2).

On Wednesday (2020-06-03) were sold a total of 5 units in the category Phone (ids: 3, 4).

On Thursday (2020-06-04) were sold a total of 1 unit in the category Phone (ids: 3, 4).

On Friday (2020-06-05) were sold 10 units in the category Book (ids: 1, 2) and 5 units in Glasses (ids: 5).

On Saturday there are no items sold.

On Sunday (2020-06-14, 2020-06-21) were sold a total of 10 units (5 +5) in the category Phone (ids: 3, 4).

There are no sales of T-Shirt.