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An MMORPG game is under development. For the profile and inventory mechanics, it needs a query that advises the best quality items available in the inventory.

Item quality is represented by three ranks (from lowest to highest): "common", "rare", and "epic".

The result should have the following columns: username / type / advised\_quality / advised \_name.

- username account username
- type item type
- advised\_quality advised item quality ("common", "rare" or "epic")
- advised\_name list of advised items records:
- A record is the name of the item.
- Records are separated by a comma.
- Records are sorted in ascending order by name.

The result should be sorted in ascending order by username, then in ascending order by type.

#### Note:

- Accounts may not have items of a specific type at all.
- More than one item of the same type may be advised, as long as they are of the same quality.

### **Schema**

#### accounts

name type constraint description	name	type	constraint	description
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id	INT	PRIMARY KEY	Account ID
username	VARCHAR(255)		Account username

### items

name	type	constraint	description
id	INT	PRIMARY KEY	Item ID
type	ENUM('sword', 'shield', 'armor')		Item type
name	VARCHAR(255)		Item name

### accounts\_items

name	type	constraint	description
account_id	INT	FOREIGN KEY (account_id → accounts.id)	Account ID
item_id	INT	FOREIGN KEY (item_id → items.id)	Item ID
quality	ENUM('common', 'rare', 'epic')		Item quality

## Sample Data for accounts

id	username
1	cmunns1
2	yworcs0

## Sample Data for items

id	type	name
1	sword	Sword of Solanaceae
2	shield	Shield of Rosaceae
3	shield	Shield of Fagaceae
5	shield	Shield of Lauraceae

6	sword	Sword of Loasaceae
7	armor	Armor of Myrtaceae
8	shield	Shield of Rosaceae
10	shield	Shield of Rosaceae

## Sample Data for accounts\_items

account_id	item_id	quality
1	10	epic
1	2	rare
1	2	rare
1	7	rare
1	1	common
1	2	common
1	3	common
1	5	common
1	8	common
2	8	epic
2	5	rare
2	3	common
2	6	common

## **Expected Output**

username	type	advised_quality	advised_name
cmunns1	shield	epic	Shield of Rosaceae
cmunns1	sword	rare	Sword of Solanaceae
yworcs0	armor	epic	Armor of Asteraceae
yworcs0	shield	common	Shield of Fagaceae, Shield of Rosaceae
yworcs0	sword	rare	Sword of Loasaceae

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