3606. Coupon Code Validator

Solved

Easy Topics Hint

You are given three arrays of length `n` that describe the properties of `n` coupons: `code`, `businessLine`, and `isActive`. The i^{th} coupon has:

- `code[i]`: a **string** representing the coupon identifier.
- `businessLine[i]`: a **string** denoting the business category of the coupon.
- `isActive[i]`: a **boolean** indicating whether the coupon is currently active.

A coupon is considered **valid** if all of the following conditions hold:

1. `code[i]` is non-empty and consists only of alphanumeric characters (a-z, A-Z, 0-9) and underscores (`_`).
2. `businessLine[i]` is one of the following four categories: `"electronics"`, `"grocery"`, `"pharmacy"`, `"restaurant"`.
3. `isActive[i]` is **true**.

Return an array of the **codes** of all valid coupons, **sorted** first by their **businessLine** in the order: `"electronics"`, `"grocery"`, `"pharmacy"`, `"restaurant"`, and then by **code** in lexicographical (ascending) order within each category.

Example 1:

> **Input:** code = ["SAVE20","","PHARMA5","SAVE@20"], businessLine = ["restaurant","grocery","pharmacy","restaurant"], isActive = [true,true,true,true]
>
> **Output:** ["PHARMA5","SAVE20"]
>
> **Explanation:**
>
> - First coupon is valid.
> - Second coupon has empty code (invalid).
> - Third coupon is valid.
> - Fourth coupon has special character `@` (invalid).

Example 2:

> **Input:** code = ["GROCERY15","ELECTRONICS_50","DISCOUNT10"], businessLine = ["grocery","electronics","invalid"], isActive = [false,true,true]
>
> **Output:** ["ELECTRONICS_50"]
>
> **Explanation:**
>
> - First coupon is inactive (invalid).
> - Second coupon is valid.
> - Third coupon has invalid business line (invalid).

Constraints:

- `n == code.length == businessLine.length == isActive.length`

- `1 <= n <= 100`
- `0 <= code[i].length, businessLine[i].length <= 100`
- `code[i]` and `businessLine[i]` consist of printable ASCII characters.
- `isActive[i]` is either `true` or `false`.

Seen this question in a real interview before? 1/5

Yes No

Accepted 31.951/59.4K | **Acceptance Rate** 53.8%

Topics

Hint 1

Hint 2

Hint 3

Hint 4

Discussion (25)