Tocaan Coding Challenge.

This is a simple test within our technical recruiting process.

- Please provide your solution within 3 calendar days. If you need any clarification you can send an email with your questions.
- After finishing the tasks, please share your results with us by providing a link to your zipped solution without composer dependencies (you might send us a Google Drive link for example).
- Make sure your results are not being shared publicly (e.g. no github, no public blog post…).

Overview

You will be tested within the following areas:

- Basic understanding of Data Structure

- Understanding of Native PHP and Laravel framework

About The Challenge:

We have a product like "Dress", and we need to create different sub products 'Variations' from this dress, and keep in mind that, every variant takes some options values. e.g.: ["Red" , "Black" , "Blue"].

Variant 1 it will take: "Red"

Variant 2 it will take: "Black"

Variant 3 it will take: "Blue"

Input:

array of colors: ["Red" , "Black" , "Blue"].

Output: array of 3 variants from the dress options values:

```
[
    "red",
    "black",
    "blue"
]
```

Task 1

- If a product has more than one array of options values like Colors & Sizes.
- One of variant will be: ["red" , "small"]

Inputs:

- `['red','black','blue']`

- `['large', medium, 'small']`

Task 2

- If a product has more than two arrays of options values like Colors, Types & Sizes.
- One of variant will be : ["red" , " small" , "cotton"] ,

Inputs:

- `['red','black','blue']`

- `['large', medium, 'small']`

- `['Cotton' , 'Polyester' ]`

NOTE : Please implement a solution that can be used with any number of arrays.