

Problem 2890: Reshape Data: Melt

Problem Information

Difficulty: [Easy](#)

Acceptance Rate: 86.09%

Paid Only: No

Problem Description

```
DataFrame report +-----+-----+ | Column Name | Type | +-----+-----+ | product |  
object | | quarter_1 | int | | quarter_2 | int | | quarter_3 | int | | quarter_4 | int |  
+-----+-----+
```

Write a solution to **“reshape”** the data so that each row represents sales data for a product in a specific quarter.

The result format is in the following example.

****Example 1:****

```
**Input:** +-----+-----+-----+-----+ | product | quarter_1 | quarter_2 |  
quarter_3 | quarter_4 | +-----+-----+-----+-----+ | Umbrella | 417 |  
224 | 379 | 611 | | SleepingBag | 800 | 936 | 93 | 875 |  
+-----+-----+-----+-----+ + **Output:** +-----+-----+-----+ |  
product | quarter | sales | +-----+-----+-----+ | Umbrella | quarter_1 | 417 | |  
SleepingBag | quarter_1 | 800 | | Umbrella | quarter_2 | 224 | | SleepingBag | quarter_2 | 936 |  
| Umbrella | quarter_3 | 379 | | SleepingBag | quarter_3 | 93 | | Umbrella | quarter_4 | 611 | |  
SleepingBag | quarter_4 | 875 | +-----+-----+-----+ + **Explanation:** The DataFrame  
is reshaped from wide to long format. Each row represents the sales of a product in a quarter.
```

Code Snippets

Pandas:

```
import pandas as pd

def meltTable(report: pd.DataFrame) -> pd.DataFrame:
```