Problem 2889: Reshape Data: Pivot

Problem Information

Difficulty: Easy
Acceptance Rate: 0.00%
Paid Only: No

Problem Description

DataFrame

weather

+-------------+--------+ | Column Name | Type | +-------------+--------+ | city | object | | month | object | | temperature | int | +-------------+--------+

Write a solution to

pivot

the data so that each row represents temperatures for a specific month, and each city is a separate column.

The result format is in the following example.

Example 1:

Input:

+--------------+----------+-------------+ | city | month | temperature | +--------------+----------+-------------+ | Jacksonville | January | 13 | | Jacksonville | February | 23 | | Jacksonville | March | 38 | | Jacksonville | April | 5 | | Jacksonville | May | 34 | | ElPaso | January | 20 | | ElPaso | February | 6 | | ElPaso | March | 26 | | ElPaso | April | 2 | | ElPaso | May | 43 | +--------------+----------+-------------+

Output:

+----------+--------+--------------+ | month | ElPaso | Jacksonville | +----------+--------+--------------+ | April | 2 | 5 | | February | 6 | 23 | | January | 20 | 13 | | March | 26 | 38 | | May | 43 | 34 | +----------+--------+--------------+

Explanation:

The table is pivoted, each column represents a city, and each row represents a specific month.

Code Snippets

Pandas:

```
import pandas as pd

def pivotTable(weather: pd.DataFrame) -> pd.DataFrame:
```

Solutions

Pandas Solution:

```
import pandas as pd

def pivotTable(weather: pd.DataFrame) -> pd.DataFrame:
```