

COMP
110

CSV Files

read_csv_rows

Input: Day, Low, High
 Monday, 56, 75
 Tuesday, 53, 72
 Wednesday, 50, 72

Output:

```
[{'Day': 'Monday', 'Low': '56', 'High': '75'},  
 {'Day': 'Tuesday', 'Low': '53', 'High': '72'},  
 {'Day': 'Wednesday', 'Low': '50', 'High': '72'}]
```

column_vals

```
[{'Day': 'Monday', 'Low': '56', 'High': '75'},  
 {'Day': 'Tuesday', 'Low': '53', 'High': '72'},  
 {'Day': 'Wednesday', 'Low': '50', 'High': '72'}]
```

column_vals(data, "High")

Should return:

```
['75', '72', '72']
```

```
1 def column_vals(table: list[dict[str,str]], header: str) -> list[str]:
2     """Returns values in a table column under a specific header"""
3     result: list[str] = []
4     #step through table
5     for row in table:
6         #save every value under key "header"
7         result.append(row[header])
8     return result
9
10 x: list[dict[str,str]] = [{"Comp": "110", "Bio": "100"}, {"Comp": "210", "Bio": "200"}]
11 column_vals(x, "Comp")
```

columnar

```
[{'Day': 'Monday', 'Low': '56', 'High': '75'},  
 {'Day': 'Tuesday', 'Low': '53', 'High': '72'},  
 {'Day': 'Wednesday', 'Low': '50', 'High': '72'}]
```

```
{'Day': ['Monday', 'Tuesday', 'Wednesday'],  
 'Low': ['56', '53', '50'],  
 'High': ['75', '72', '72']}
```