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Sandeep Suryaprasad clean up

Latest commit 7965b72 on 24 Jun [History](#) 0 contributors

50 lines (40 sloc) | 1.61 KB

Raw

Blame



```
1 import csv
2 from collections import defaultdict
3
4 # Reading CSV Files
5 with open('portfolio.csv', 'r') as csv_file:
6     rows = csv.reader(csv_file) # rows is an iterator object
7     for row in rows: # Each row is represented as a Python list
8         print(row) # Prints each line of csv file.
9
10 with open('portfolio.csv', 'r') as csv_file:
11     rows = csv.reader(csv_file)
12     for row in rows:
13         print(row[0], row[1]) # Prints only first and second column.
14
15 # Using DictReader
16 with open('portfolio.csv', 'r') as csv_file:
17     rows = csv.DictReader(csv_file)
18     for row in rows: # Each row is represented as a Python dictionary
19         print(row['name'], row['shares'])
20
21 # Writing to CSV Files
22 with open('new_portfolio.csv', 'w') as csv_file:
23     csv_writer = csv.writer(csv_file)
24     csv_writer.writerow(['name', 'shares', 'price'])
25
26 # Using DictWriter
```

```
27 with open('portfolio.csv', 'w') as csv_file:
28     csv_writer = csv.DictWriter(csv_file, ['name', 'shares', 'price'])
29     csv_writer.writeheader()
30     csv_writer.writerow({'name': 'IBM', 'shares': 100, 'price': 65.3})
31
32
33 data = [('apple', 'google', 'yahoo'), ('microsoft', 'netflix', 'gmail')]
34 with open('company.csv', 'w') as csv_file:
35     csv_writer = csv.writer(csv_file)
36     csv_writer.writerows(data) # Write rows takes a list of iterables
37
38 # Reading CSV rows as columns
39 cols = defaultdict(list)
40
41 def read_columns(filename):
42     with open(filename) as f:
43         rows = csv.reader(f)
44         headers = next(rows)
45         for row in rows:
46             for header, r in zip(headers, row):
47                 cols[header].append(r)
48     return cols
49
50 print(read_columns('portfolio.csv'))
```