Writing multi-dimensional list value to a file in Python

Thanks for clearing up my confusions on my previous question of saving data from file to multidimensional list here

I look up through the Internet to do the reverse, saving multidimensional list to a file. But, I didn't get any lead to compute that. If its not too much, I would appreciate if you can suggest me how could I save a multidimensional list to a file.

The list is something like

```
['b',30.83,0,'u','g','w','v',1.25,'t','t',01,'f','g',00202,0,+]
['a',58.67,4.46,'u','g','q','h',3.04,'t','t',06,'f','g',00043,560,+]
```

The format needed to be saved in the file is

```
b,30.83,0,u,g,w,v,1.25,t,t,01,f,g,00202,0,+
a,58.67,4.46,u,g,q,h,3.04,t,t,06,f,g,00043,560,+
```

Thanks for your help!!!

`python`   `list`

asked Jan 9 '14 at 14:52

unknown
100   8

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1   Numbers like `00043` are automatically converted to integers, you should convert them to strings if you want to store them as is. – Ashwini Chaudhary Jan 9 '14 at 15:01

2   Most notably, `00043 == 35` in python2 and `SyntaxError` in python3. A leading zero indicates a octal number. – Jonas Wielicki Jan 9 '14 at 15:04

2 Answers

Use the `csv` module:

```python
import csv
with open(filename, 'w') as f:

    writer = csv.writer(f, delimiter=',')
    writer.writerows(my_list)  #considering my_list is a list of lists.
```

edited Jan 9 '14 at 15:05   answered Jan 9 '14 at 14:58

Ashwini Chaudhary
110k   11   124   192

Thanks!!! This is the answer I was looking for. –   unknown   Jan 10 '14 at 8:29

Join each list with "," & write as a line to your file.

answered Jan 9 '14 at 14:54

Scott Hunter
14.9k   3   13   39