

Assignment - CSV Files

1.

Using `csv` module, convert the csv file `olympics-medals.csv` into a tab-limited file `olympics-medals.tsv`.

```
In [1]: 1 import csv
        2
        3 with open('./data/olympics-medals.csv') as f:
        4     reader = csv.reader(f)
        5     data = list(reader)
        6
        7 print(len(data))
        8 print(data[:3])
        9
       10 with open('./data/olympics-medals.tsv', 'w', newline='') as f:
       11     writer = csv.writer(f, delimiter='\t')
       12     writer.writerows(data)
       13
```

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 [['NOC', 'Country', 'Total', 'Medal'], ['USA', 'United States', '2088', 'Gold'], ['URS', 'Soviet Union', '838', 'Gold']]

```
In [12]: 1 import csv
        2
        3 with open('./data/olympics-medals.csv') as f1:
        4     with open('./data/olympics-medals.tsv', 'w', newline='') as f2:
        5         reader = csv.reader(f1)
        6         writer = csv.writer(f2, delimiter='\t')
        7         for line in reader:
        8             writer.writerow(line)
```

```
In [13]: 1 !notepad ./data/olympics-medals.tsv
```

2.

Use `csv` module to implement following script:

- Ask user input a NOC value
- With data in the `olympics-medals.csv`, find out the total number of medals won by that country

Sample Output:

Country NOC: SIN
 4

```
In [13]: ▶ 1 noc = input('Country NOC: ')
           2 total = 0
           3
           4 with open('./data/olympics-medals.csv') as f1:
           5     reader = csv.reader(f1)
           6     for line in reader:
           7         if line[0] == noc and line[2] != '':
           8             total = total + int(line[2])
           9
          10 print(total)
```

Country NOC: SIN

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