

Assignment - CSV Files

1.

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

```
In [19]: import csv

with open('olympics-medals.csv') as f:
    reader = csv.reader(f)
    data = [r for r in reader]

with open('olympics-medals.tsv', 'w', newline='') as f:
    writer = csv.writer(f, delimiter='\t')
    writer.writerows(data)
```

```
In [20]: !notepad 'olympics-medals.tsv'
```

2.

Use `csv` module to implement following script:

- Ask user to enter a country name
- With data in the `olympics-medals.csv`, save records of that country into another file `<NOC>.csv`, where `<NOC>` is the NOC value of that country
- Print out total number of medals won by that country

Sample Output:

Country Name: singapore

4

```
In [13]: import csv

country = input('Country Name: ')

with open('olympics-medals.csv') as f:
    reader = csv.reader(f)
    # filter out data match country name
    data = [r for r in reader if r[1].lower() == country.lower()]
    # discard records with non numeric medal count
    data = [r for r in data if r[2].isnumeric()]

with open(country+'.csv', 'w', newline='') as f:
    writer = csv.writer(f)
    writer.writerows(data)

count = sum([int(r[2]) for r in data])
print(count)
```

Country Name: singapore

4

```
In [12]: !notepad singapore.csv
```