Day 4 Assignments (Part 1)

1.

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

In [ ]:
```
import csv

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

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

In [ ]:
```
!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 [ ]:
```
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()]

if data:
    with open(data[0][0]+'.csv', 'w', newline='') as f:
        writer = csv.writer(f)
        writer.writerows(data)

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

In [ ]:
```
!notepad SIN.csv
```