In [1]:

```
import numpy as np
```

In [2]:

```
np_olympic_country = np.array(['GBR','China','RUS','US','KOR','JPN','GER'])
```

In [3]:

```
np_olympic_country_Gold = np.array([29,38,24,46,13,7,11])
np_olympic_country_Silver = np.array([17,28,25,28,8,14,11])
np_olympic_country_Bronze = np.array([19,22,32,29,7,17,14])
```

Find country with maximum gold

In [4]:

```
#find country index with maximum gold
max_gold_index = np_olympic_country_Gold.argmax()
```

In [6]:

```
country_with_max_gold = np_olympic_country[max_gold_index]
```

In [7]:

```
#print country with maximum gold
print(country_with_max_gold)
```

```
US
```

Find countries with more than 20 gold medalsPermalink

In [9]:

```
#country won more than 20 gold medals, use boolean indexing technique
print(np_olympic_country[np_olympic_country_Gold>20])
```

```
['GBR' 'China' 'RUS' 'US']
```

Evaluate the dataset and print the medal tallyPermalink

In [10]:

```
#print each country name with number of gold medals
#print each country name with total number of medals
for i in range(len(np_olympic_country)):
    gold_medal = np_olympic_country_Gold[i]
    country  = np_olympic_country[i]
    total_medal = np_olympic_country_Bronze[i]+np_olympic_country_Gold[i]+np_olympic_countr
    print('{} => gold medal {}, Total medals {}'.format(country,gold_medal,total_medal))
```

```
GBR => gold medal 29, Total medals 65
China => gold medal 38, Total medals 88
RUS => gold medal 24, Total medals 81
US => gold medal 46, Total medals 103
KOR => gold medal 13, Total medals 28
JPN => gold medal 7, Total medals 38
GER => gold medal 11, Total medals 36
```

In [ ]:

```
```