Assignment 02: Evaluate the Summer Olympics, London 2012 dataset

The comments/sections provided are your cues to perform the assignment. You don't need to limit yourself to the number of rows/cells provided. You can add additional rows in each section to add more lines of code.

If at any point in time you need help on solving this assignment, view our demo video to understand the different steps of the code.

Happy coding!

1: View and add the dataset

```python
In [3]:   #Import the necessary library
          import pandas as pd
          import numpy as np
```

```python
In [27]:  #Manually add the Summer Olympics, London 2012 dataset as arrays
          country = np.array(["Great Britain" ,"China" , "Russia","United States","Ko
          Country_Code =np.array(["GBR","CHN","RUS","US","KOR","JPN","GER"])
          Year = np.array([2012,2012,2012,2012,2012,2012,2012])
          Gold = np.array([29,38,24,46,13,7,11])
          Silver = np.array([17,28,25,28,8,14,11])
          Bronze  = np.array([19,22,32,29,7,17,14])
```

Find the country with maximum gold medals

```python
In [30]:  #Use the argmax() method to find the highest number of gold medals
          max_gold = np.argmax(Gold)
          max_gold
```

```
Out[30]:  3
```

```python
In [41]:  #Print the name of the country
          country[max_gold]
```

```
Out[41]:  'United States'
```

Find the countries with more than 20 gold medals

In [43]:
```python
#Use Boolean indexing technique to find the required outpu
size_array = np.size(Gold)
for i in range(size_array):
    if Gold[i] > 20:
        print (country[i])
```

```
Great Britain
China
Russia
United States
```

Evaluate the dataset and print the name of each country with its gold medals and total number of medals

In [44]:
```python
#Use a for loop to create the required output
for i in range(size_array):
    print (country[i],"has won Gold medels = ",Gold[i],"and total number o
```

```
Great Britain has won Gold medels =  29 and total number of medals =  65
China has won Gold medels =  38 and total number of medals =  88
Russia has won Gold medels =  24 and total number of medals =  81
United States has won Gold medels =  46 and total number of medals =  103
Korea has won Gold medels =  13 and total number of medals =  28
Japan has won Gold medels =  7 and total number of medals =  38
Germany has won Gold medels =  11 and total number of medals =  36
```

In [ ]: