

Weekly Pandas 🐼 Challenge #3

```
In [1]: import pandas as pd
file = "drinks.csv"
```

```
In [2]: df = pd.read_csv(file)
```

Take A Peek At Dataset

```
In [3]: df.head()
```

```
Out[3]:
```

	country	beer_servings	spirit_servings	wine_servings	total_litres_of_pure_alcohol	continent
0	Afghanistan	0	0	0	0.0	AS
1	Albania	89	132	54	4.9	EU
2	Algeria	25	0	14	0.7	AF
3	Andorra	245	138	312	12.4	EU
4	Angola	217	57	45	5.9	AF

Q1. Which continent drinks more beer on average?

```
In [49]: max = 0
for item in df.groupby('continent')['beer_servings']:
    if item[1].mean() > max:
        max = item[1].mean()
```

```
In [50]: print(f"The {item[0]} continent drinks more beer on average.")
```

The SA continent drinks more beer on average.

Q2. For each continent print the statistics for wine consumption.

```
In [52]: df.groupby('continent')['wine_servings'].describe()
```

```
Out[52]:
```

	count	mean	std	min	25%	50%	75%	max
continent								
AF	53.0	16.264151	38.846419	0.0	1.0	2.0	13.00	233.0
AS	44.0	9.068182	21.667034	0.0	0.0	1.0	8.00	123.0
EU	45.0	142.222222	97.421738	0.0	59.0	128.0	195.00	370.0
OC	16.0	35.625000	64.555790	0.0	1.0	8.5	23.25	212.0
SA	12.0	62.416667	88.620189	1.0	3.0	12.0	98.50	221.0

Q3. Print the mean alcohol consumption per continent for every column.

```
In [53]: df.groupby('continent')['total_litres_of_pure_alcohol'].mean()
```

```
Out[53]: continent
AF      3.007547
AS      2.170455
EU      8.617778
OC      3.381250
SA      6.308333
Name: total_litres_of_pure_alcohol, dtype: float64
```

Q4. Print the median alcohol consumption per continent for every column.

```
In [60]: df.groupby('continent')[['beer_servings', 'spirit_servings', 'wine_servings', 'total_litres_of_pure_alcohol']].median()
```

```
Out[60]:
```

	beer_servings	spirit_servings	wine_servings	total_litres_of_pure_alcohol
continent				
AF	32.0	3.0	2.0	2.30
AS	17.5	16.0	1.0	1.20
EU	219.0	122.0	128.0	10.00
OC	52.5	37.0	8.5	1.75
SA	162.5	108.5	12.0	6.85

Challenge Completed Successfully 🎉 Ready For More 🍷