```
"""
Pandas – Mini Project 3

# Part A:  Alcohol Consumption
A1 Upload the data file, view the data file in Colab
A2 Read and Assign it to a variable called users and use the 'user_id' as index
A3 Which continent drinks more beer on average?
A4 For each continent print the statistics for wine consumption.
A5 Print the mean alcohol consumption per continent for every column
A6 Print the median alcohol consumption per continent for every column
A7 Print the mean, min and max values for spirit consumption.

# Part B :  Student Alcohol Consumption

B1 Upload new data file ‘student-mat’
B2 For the purpose of this exercise slice the dataframe from 'school' until the 'guar
B3 Create a lambda function that will capitalize strings.
B4 Capitalize both Mjob and Fjob
B5 Print the last elements of the data set.
B6 Create a function called majority that returns a boolean value to a new column cal
B7 Multiply every number of the dataset by 10
"""
```

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view the data file in Colab\nRead and Assign it to a variable called users and use t
he 'user_id' as index\nWhich continent drinks more beer on average?\nFor each contin
ent print the statistics for wine consumption.\nPrint the mean alcohol consumption p
er continent for every column\nPrint the median alcohol consumption per continent fo
r every column\nPrint the mean, min and max values for spirit consumption.\n\n# Part
B :  Student Alcohol Consumption\n\nUpload new data file ‘student-mat’\nFor the purp
ose of this exercise slice the dataframe from 'school' until the 'guardian' column\n
```

A1 Upload the data file, view the data file in Colab

Done

A2 Read and Assign it to a variable called users and use the 'user_id' as index

user_id do not exists

```
import numpy as np
import pandas as pd
users= pd.read_csv("drinks.csv")
users
```

	country	beer_servings	spirit_servings	wine_servings	total_litres_of_pure
0	Afghanistan	0	0	0	
1	Albania	89	132	54	
2	Algeria	25	0	14	
3	Andorra	245	138	312	
4	Angola	217	57	45	
...	...	...	...	...	
188	Venezuela	333	100	3	
189	Vietnam	111	2	1	
190	Yemen	6	0	0	

Basics

```
1 users.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 193 entries, 0 to 192
Data columns (total 6 columns):
 #   Column                        Non-Null Count  Dtype
---  ------                        --------------  -----
 0   country                       193 non-null    object
 1   beer_servings                 193 non-null    int64
 2   spirit_servings               193 non-null    int64
 3   wine_servings                 193 non-null    int64
 4   total_litres_of_pure_alcohol  193 non-null    float64
 5   continent                     170 non-null    object
dtypes: float64(1), int64(3), object(2)
memory usage: 9.2+ KB
```

```
1 users.describe(include='all')
```

	country	beer_servings	spirit_servings	wine_servings	total_litres_of_pu
count	193	193.000000	193.000000	193.000000	
top	Afghanistan	NaN	NaN	NaN	
75%	NaN	188.000000	128.000000	59.000000	

A3 Which continent drinks more beer on average?

```
cont=users.groupby('continent')['beer_servings'].sum()
cont
```

```
continent
AF    3258
AS    1630
EU    8720
OC    1435
SA    2101
Name: beer_servings, dtype: int64
```

```
cont[cont==cont.max()]
```

```
continent
EU    8720
Name: beer_servings, dtype: int64
```

A4 For each continent print the statistics for wine consumption.

```
contwine=users.groupby('continent')['wine_servings'].sum()
contwine
```

```
continent
AF     862
AS     399
EU    6400
OC     570
SA     749
Name: wine_servings, dtype: int64
```

A5 Print the mean alcohol consumption per continent for every column

```
contwine=users.groupby('continent')['total_litres_of_pure_alcohol'].mean()
contwine
```

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

A6 Print the median alcohol consumption per continent for every column

```
contwinealc = users.groupby('continent')['total_litres_of_pure_alcohol'].median()
contwinealc
```

```
continent
AF     2.30
AS     1.20
EU    10.00
OC     1.75
SA     6.85
Name: total_litres_of_pure_alcohol, dtype: float64
```

A7 Print the mean, min and max values for spirit consumption.

```
round(users.spirit_servings.mean())
```

```
81
```

```
round(users.spirit_servings.min())
```

```
0
```

```
round(users.spirit_servings.max())
```

```
438
```