Please run the following code to get the dataset

```python
from urllib.request import urlretrieve
import pandas as pd

urlretrieve('https://gist.githubusercontent.com/aakashns/28b2e504b3350afd9bdb157893f9725c/raw/994b65665757f4f8887db1c85986a897abb23d84/countries.csv', 'countries.csv')
countries_df = pd.read_csv('countries.csv')
```

Please answer following questions
Q1: How many countries does the dataframe contain?
Q2 : Retrieve a list of continents from the dataframe?
Q3: What is the total population of all the countries listed in this dataset?
Q4: What is the overall life expectancy across the world?
Hint: You'll need to take a weighted average of life expectancy using populations as weights.
Q5: Create a dataframe containing 10 countries with the highest population.(Hint: Chain the sort_values and head methods.)
Q6: Add a new column in countries_df to record the overall GDP per country (product of population & per capita GDP).
Q7: Create a dataframe containing 10 countries with the lowest GDP per capita, among the counties with population greater than 100 million.