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##
# Assignment 4. (Country Classes)
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# This code is used in catalogue.py.

class Country():
    '''Simple representation of a country.'''
    def __init__(self, name, population, area, continent):
        '''Initialize attributes of the country.'''
        self._name = name
        self._population = population
        self._area = area
        self._continent = continent

    def __repr__(self):
        full_classification = (self._name.title() + ' (pop: ' +
                               str(self._population) + ', size: ' + str(self._area) +
                               ') in ' + self._continent.title())
        return full_classification

    def getName(self):
        return self._name

    def getPopulation(self):
        return self._population

    def getArea(self):
        return self._area

    def getContinent(self):
        return self._continent

    def setPopulation(self, population):
        self._population = population

    def setArea(self, area):
        self._area = area

    def setContinent(self, continent):
        self._continent = continent

    def GetPopDensity(self):
        popDensity = round(self._population / self._area, 2)
        return popDensity
```