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# ShowCounties.py
""" Sample computations with the US Census dataset that was
downloaded from

http://www.census.gov/popest/data/counties/totals/2014/CO-EST2014-alldata.html

The dataset
is slightly modified and is in the file CensusData.csv

If c is a line in that file and v =
c.split(',') then here are some
definitions:

    v[5]    State Name
    v[6]    County Name

    v[7]    2010 county population
    v[10]   2011 county population
    v[11]   2012 county
population
    v[12]   2013 county population
    v[13]   2014 county
population
"""

from GetData import fileToStringList
TheCounties =
fileToStringList('CensusData.csv')

# Total population
pop = 0;
for c in TheCounties:

    v = c.split(',')
    pop+=int(v[7])
print '\nUSA Population in 2010 = %ld\n' % pop

# The
county with the biggest percentage growth in population...
growthMax = 0
for c in
TheCounties:
    v = c.split(',')
    growth = float(v[13])/float(v[7])
    if
int(v[7])>=100000 and growth>growthMax:
        growthMax = growth
        vMax =
v
print vMax[6],vMax[5], 'grew by', int(growthMax*100), 'percent '

```