Problem 3

Design and implement a class Country that stores the information on countries such as nation name, capital city, population, and area. Then write a program that reads in a set of countries and prints

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In [10]:
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class Country:
    def init (self, name, area, pop, den, cap):
        self.name=name
        self.area=area
        self.pop=pop
        self.den=den
        self.cap=cap
def largest area(c):
    target = []
    for in range(0, len(c)):
       target.append(c[].area)
    return c[target.index(max(target))].name
def largest pop(c):
    target = []
    for _ in range(0, len(c)):
        target.append(c[_].pop)
    return c[target.index(max(target))].name
def largest_den(c):
    target = []
    for in range(0, len(c)):
       target.append(c[_].den)
    return c[target.index(max(target))].name
def capital(c):
    cap = []
    for _ in range(0, len(c)):
        if(c[_].cap):
            cap.append(c[].cap)
    return cap
korea = Country('Korea',1003,5178,509,'Seoul')
usa = Country('USA',98315,33100,35,'Washington')
china = Country('China',96000,143932,148,'Beijing')
print(largest area([korea,usa,china]))
print(largest_pop([korea,usa,china]))
print(largest_den([korea,usa,china]))
print(capital([korea,usa,china]))
USA
China
Korea
```

['Seoul', 'Washington', 'Beijing']