LargestPop()

Start

Open the file WorldCensusAges15-64 and store in a variable(myfile)

Create an empty list(countrynames5)

For line in myfile

fields=line.split(“,”)

Countrynames.append(fields[0])

result20= getPopAge14()

result21= getPopAge15()

result22=getPopAge64()

Get an age group from the user (choice4)

Is choice4 ==”0-14”?

Yes

num=max(getPopAge14())

No

Index=num

Is choice4 ==”15-64”?

num=max(getPopAge15())

Yes

No

Index=num

num=max(getPopAge64())

Index=num

Print countrynames5[index], the string “Population:”, and num

End

Pseudocode

!. Open the file World Census Ages15-64 and store in a variable(myfile).

2. Create an empty list called (countrynames5).

3.In a for loop, the variable line wlll be assigned each line in the file until the end.

4.The variable fields will store the whatever line is and break apart the name and population data into separate elements.

5.The first element in fields which is the name of the country will be added into the contrynames5 list in the same order as in the file

6.Assign the list from getPopAge14() in a variable (result20). This list will contain the total population of the age group 0-14 for each country in the same order has countries in the original file and the countrynames5 list.

7.Assign the list from getPopAge15() in a variable (result21). This list will contain the total population of the age group 15-64 for each country in the same order has countries in the original file and the countrynames5 list.

8.Assign the list from getPopAge64() in a variable (result22). This list will contain the total population of the age group 64+ for each country in the same order has countries in the original file and the countrynames5 list.

9.Input the age group you want to look at and its assigned to a variable(choice4).

10. If choice4 equals “0-14”, the max population from the list will be stored in a variable(num) and the index of that population will also be stored in a variable(index).

11. Else, if choice4 equals “15-64”, the max population from the list will be stored in a variable(num) and the index of that population will also be stored in a variable(index).

12. Else choice4 will equal “64+”, the max population from the list will be stored in a variable(num) and the index of that population will also be stored in a variable(index).

13. Print(countrynames5[index].ljust(50), "Population: ", num).Since the countrynames5 list and each population list are in the same order. The population and the name is paired up correctly by using the index of max population to find the right name in the countrynames5 list.

14. End