CountriesandAgePopdifference()

Start

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

Create an empty list(countrynames3)

For line in myfile

fields=line.split(“,”)

countrynames3.append(fields[0])

Get a country name from user(country)

Get a 2nd country name from user(country2)

Get an age group from the user (choice3)

Is choice3 ==”0-14”?

Yes

result13=getPopAge14()

No

Is choice3 ==”15-64”?

Yes

result13=getPopAge15()

No

result13=getPopAge64()

Is country in countrynames3”?

Yes

Index2=countrynames3.index(country)

No

Is country2 in countrynames3”?

Yes

Index3=countrynames3.index(country2)

Is reuslt13[index2] >result13[index3]?

No

Print Country and Population of the Age group you selected

Yes

Print Country and Population of the Age group you selected

Print countrynames3[index3] and result13[index3]

Print countrynames3[index2] and result13[index2]

Print countrynames3[index2] and result13[index2]

Print countrynames3[index3] and result13[index3]

Print “Difference” and result13[index3]-result13[index2]

End

Print “Difference” and result13[index2]-result13[index3]

Pseudocode

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

2. Create an empty list called (countrynames3)

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 contrynames3 list in the same order as in the file

6. Ask the user for the name a country (stored in a variable, such as country)

7. Ask the user for the name of a 2nd country (stored in a variable, such as country2)

8. Ask the user which age group you want to look at (stored in a variable, such as choice3)

9. if choice3 == “0-14”, the function to find the total population of a that age group in each country and stored in a list in the same order as the countries is called(getPopAge14())

10.Else, if choice3 == “15-64”, the function to find the total population of a that age group in each country and stored in a list in the same order as the countries is called(getPopAge15())

11. Else, if choice3 == “64+”, the function to find the total population of a that age group in each country and stored in a list in the same order as the countries is called(getPopAge64())

12.If country is in the countrynames3 list, it’s index will be assigned to the variable, index2

13. If country2 is in the countrynames3 list, it’s index will be assigned to variable 3, index3

14.Using the index2 and index3 variables, use them has index numbers in the if statement: if result13[index2] > result[index3].

15. If the condition passes the 1st inputted country (being the highest) will be displayed first with their population and then the other along with the difference between the population between the countries

16. If the condition failed the 2nd inputted country (being the highest) will be displayed first with their population and then the other along with the difference between the population between the countries

17.End