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CSC 242

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**World Population Pseudocode**

This pseudocode describes how to read country population data from a file and use it to calculate total population.

Create void function named process\_line:

Purpose: processes line containing country name and population into separate variables

Parameter named line: the string being processed

Parameter named country: name of country in line

Parameter named population: population of country

Create istringstream named strm that contains line

Create char variable named ch

For every character in strm

If character is not white space

Append character to country

If character is a white space

Skip to the next non-white space character

If character is not a digit

Append a space to country

Append character to country

Else

Unget the character

Place the whole number into population

Break out of function

Main Function:

Declare input-stream variable named input\_file

Open the world population file (“worldpop.txt”) in input\_file

If the file doesn’t open:

Output “Unable to open world population file.”

Create a string variable named line

Create a floating-point variable named total\_population

For every line in input\_file:

Create a string variable named country

Create an integer variable named population

Make function call to process\_line (line, country, population)

If country is not the European Union

Add population to total\_population

Close the file

Output the total population excluding the European Union