countfiles.pl
Challenge

Description: Create a perl application called "countfiles.pl" using perl 5 that given a root directory path displays the total number of files found in the directory and its subdirectories. The root directory path is to be provided as a command line parameter.

Purpose: This challenge provides experience writing subroutines, using perl modules, using file test operators, getting info about files, and traversing directories.

Requirements:

Name of application: countfiles.pl
Programming language: perl 5

The goal is to write a program that displays the total number of files that are located in a directory and its subdirectories.

The program countfiles.pl is to take one argument:
- Path to a root directory (directory for starting search).

The program is to count the total number of files found in the specified directory and its subdirectories.

If the user does not supply sufficient/correct command-line parameters, the program is to display correct usage of the program. DO NOT hard code the name of the program for displaying the correct usage. Use the perl variable that holds the name of the program.