

findbigfiles.pl

Challenge

Description: Create a perl application called “findbigfiles.pl” using perl 5 that given a root directory path and a target number of files (n), displays the full path of the n largest files found in the directory and its subdirectories. The root directory path and the target number of files are to be provided as command line parameters.

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: findbigfiles.pl

Programming language: perl 5

The goal is to write a program that displays the full path of the n largest files that are located in a directory or its subdirectories. This kind of program could be used to find large files that are taking up space on a server.

The program findbigfiles.pl is to take two arguments:

- Path to a root directory (directory for starting search).
- Target number of files (n) to find that are the largest.

The program is to search the specified directory and its subdirectories for the n largest files. For files that meet the criteria the full paths of the files are to be displayed with one entry per line in the output.

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.