

Infrastructure Engineering Assignment

Assignment Deliverables

1. A minimum viable product
2. Push it on git/bitbucket with readme providing its description, attach its link and your resume in the mail to summer@innovaccer.com with **HackerCamp Summer 2018 Submission - Infra** as its subject.

Scenario

Cleaning up a cluttered directory on your laptop or PC disks, especially the Downloads Folder or the Desktop could be a nightmare. Everyone has to do that tedious task to clean up the drives once in a while. The biggest problem is identifying what files need to be deleted and organized on a Desktop that looks like this:



Problem Statement

Create a program/script in any language like Python, Bash, C, C++ etc. The program should scan all the Drives and folders like C:/User/* (Windows) and /home/* (Linux) recursively and then identify the top 10 files which have the largest size on the system.

Example: The tool should scan the Downloads folder, Documents Folder, Movies folder, C drive, E drive etc and display the 10 biggest files in these folders with their size in MB.

The tool should sort the files on Desktop on the basis of file extension and move them in separate folders in Documents folder.

Example: If there are 10 MP3 files, 3 word documents, 4 PDFs then in Documents Folder three folders should be created with name MP3, DOC and PDF and all the files on the Desktop should be moved into these directories based on their file type or extension. Desktop should be cleaned but dont remove shortcuts of My Computer, Chrome or even Counter strike.

P.S. If you can come up with more things that are relevant to the problem statement, and present a good solution for them, it will get a bonus point.

Additional Questions

If you have questions related to the assignment deliverables, please drop me an email on akif.khan@innovaccer.com and I will try to get back to you as soon as it allows.

Cheers, and good luck :)