CSCI476 - Lab 3

You will use Java to implement a DiskEater Trojan horse in this lab. You could assume the DiskEater is executed on a Windows machine, e.g., running the Windows 7 OS.

- When the Trojan horse is executed, it pretends to be an antivirus software that scans the local hard disk(s) and looks for viruses.
- In reality, however, it does not scan for any virus but fill up the disk by creating a huge dump file.
- The Trojan horse first identifies a perfect place on the disk to save the dummy file, i.e., *%systemroot%\Windows\System32* where *%systemroot%* is the **root** drive.
- It then creates a dummy DLL (Dynamic Link Library) file in this folder. The .dll extension is selected for the dummy file because a DLL file is usually ignored by disk cleanup software.
- You should name the dummy file as **KERNEL-32.DLL** and ensure it is **hidden** in the OS.
- Once the drive is **90%** full, the DiskEater stops and displays the following message on the screen: “The scanning finishes and no virus is found!”

You are not allowed to use any third-party Java libraries, i.e., you can only use the standard libraries provided by Java.