**COIS 3380H – Systems Programming in C**

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**Lab 1 – Report**

**Log File to Demo my Code:** VishalSingh_lab1_logfile.txt

**Solution 1:**

Files Submitted in the Zip Folder: *part1.sh*

**Solution 2:**

Files Submitted in Zipped Folder:

***Part 1:*** *part2-1.sh,  all_invalid_pages.txt, top_ten_404_pages.txt*

Report: From the Failed Page requests, I googled about a few of them and discovered the following information:

1) Robots.txt: A robots.txt file is used primarily to manage crawler traffic to a site, and usually to keep a file off Google, depending on the file types. Source(Clickable):
   ([Robots.txt Introduction and Guide | Google Search Central   |   Documentation   |   Google for Developers](#))

2) /Telerik.Web.UI.WebResource.axd?type=rau:
   The URL /Telerik.Web.UI.WebResource.axd?type=rau suggests a request for a specific type of resource using the Telerik.Web.UI.WebResource.axd handler in ASP.NET AJAX.
   From a few hours of search, I could say that when you see requests like this in log files, it typically means that a page on your website is trying to load a Telerik-related resource, and the Telerik.Web.UI.WebResource.axd handler is being used to fulfill that request.
   Some Useful Sources:
   ([Telerik.Web.UI.WebResource.axd and web.config Once and for all in UI for ASP.NET AJAX | Telerik Forums](#))

([.net - AWS lTelerik.Web.UI.WebResource.axd?type=rau HTTP/1.1" 404 196?](#) [- Stack Overflow](#))

3) site/wp-includes/wlwmanifest.xml:
   The wlwmanifest.xml file in the wp-includes directory is associated with Windows Live Writer, which is a desktop application for composing and managing blog posts. This XML file provides information about the blog, allowing Windows Live Writer to interact with the blog platform more effectively.

**Part 2:** *part2-2.sh, top_10_IPs.txt*

**Note:** The Geolocation is printed When you execute the Program (./part2-2.sh system_logs_backup* to get output for all log files)

******End Of Report******