

Lab 05– Filtering

Name: Logan Weaver

Course/Section: IS-1003-01T

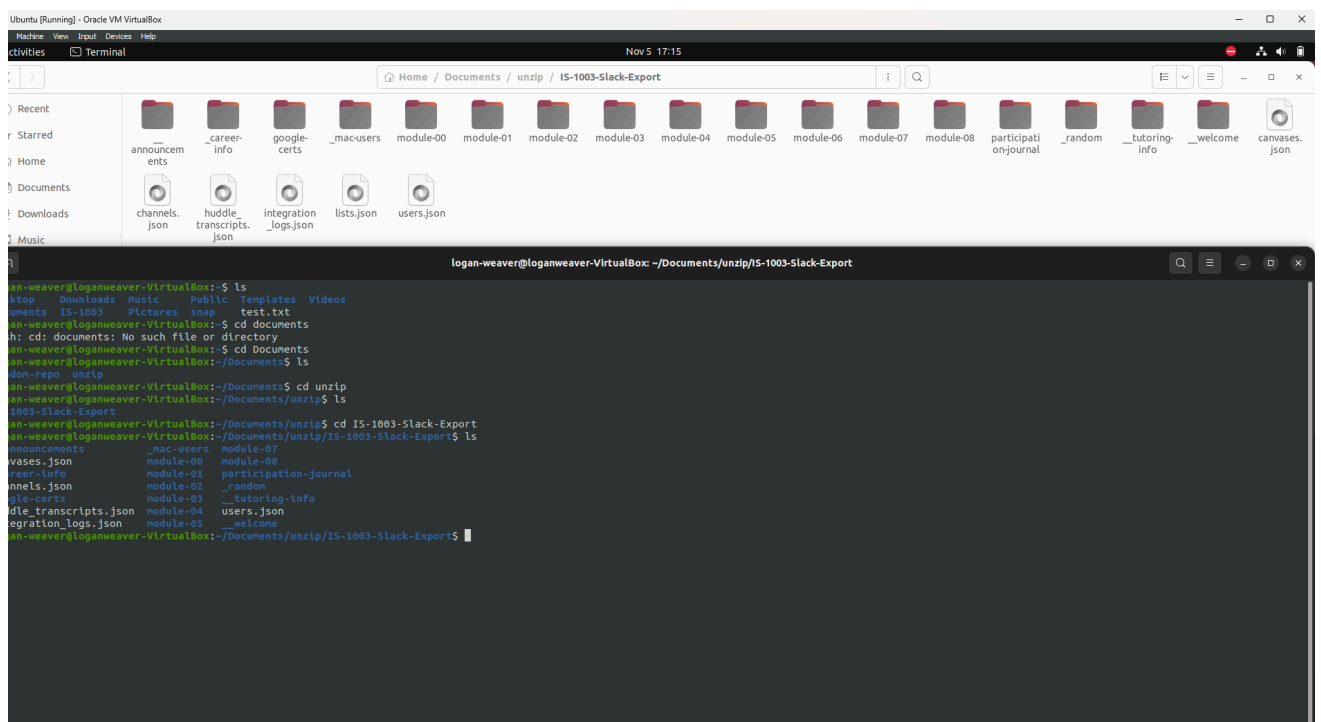
Date: 11/05/2024

INTRODUCTION

In this lab I learned how to filter using grep commands, write and run bash scripts through the terminal.

BREAKPOINT 1

Firstly I logged into my virtual machine and into my UTSA account in Ubuntu. Next I simply navigated to the Lab 5 link, and then downloaded and extracted the zip into a folder in my documents.



BREAKPOINT 2

In this breakpoint we first installed grep and used commands to explore the slack folders.

```
Get:2 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 gnome-shell-extension-ubuntu-dock all 72-ubuntu5.22.04.3 [95.0 kB]
Fetched 100 kB in 0s (237 kB/s)
(Reading database ... 240875 files and directories currently installed.)
Preparing to unpack .../distro-info-data_0.52ubuntu0.8_all.deb ...
Unpacking distro-info-data (0.52ubuntu0.8) over (0.52ubuntu0.7) ...
Preparing to unpack .../gnome-shell-extension-ubuntu-dock_72-ubuntu5.22.04.3_all.deb ...
Unpacking gnome-shell-extension-ubuntu-dock (72-ubuntu5.22.04.3) over (72-ubuntu5.22.04.2.1) ...
Setting up distro-info-data (0.52ubuntu0.8) ...
Setting up gnome-shell-extension-ubuntu-dock (72-ubuntu5.22.04.3) ...
Processing triggers for libgl1:amd64 (2.72.4-0ubuntu2.3) ...
logan-weaver@loganweaver-VirtualBox:~/Documents/unzip/IS-1003-Slack-Export$ sudo apt install grep
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
grep is already the newest version (3.7-1build1).
The following packages were automatically installed and are no longer required:
  linux-headers-6.8.0-47-generic linux-hwe-6.8-headers-6.8.0-47 linux-hwe-6.8-tools-6.8.0-47
  linux-image-6.8.0-47-generic linux-modules-6.8.0-47-generic linux-modules-extra-6.8.0-47-generic
  linux-tools-6.8.0-47-generic
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 1 not upgraded.
logan-weaver@loganweaver-VirtualBox:~/Documents/unzip/IS-1003-Slack-Export$ grep -R "Logan Weaver"
logan-weaver@loganweaver-VirtualBox:~/Documents/unzip/IS-1003-Slack-Export$ grep -R "Logan Weaver" | wc -l
0
logan-weaver@loganweaver-VirtualBox:~/Documents/unzip/IS-1003-Slack-Export$ grep -R "url:"
logan-weaver@loganweaver-VirtualBox:~/Documents/unzip/IS-1003-Slack-Export$ grep -R "url:"
grep: R: No such file or directory
grep: "url:": No such file or directory
logan-weaver@loganweaver-VirtualBox:~/Documents/unzip/IS-1003-Slack-Export$ grep -R "url:"
  announcements/2024-09-25.json:      "url": "https://utsa.zoom.us/j/2792252639",
  announcements/2024-09-25.json:      "url": "https://utsa.zoom.us/j/8783019278",
  announcements/2024-09-30.json:      "url": "https://utsa.zoom.us/j/8783019278",
  announcements/2024-09-30.json:      "url": "https://utsa.zoom.us/j/2792252639",
  announcements/2024-09-10.json:      "url": "https://utsa.zoom.us/j/2792252639",
```

In the above screenshot we downloaded grep and used the url command to display all instances of urls and our names in slack.

```
logan-weaver@loganweaver-VirtualBox: ~/Documents/unzip/IS-1003-Slack-Exports$ grep -R ""text:""
module-08/2024-08-23.json:      "text": "<@U07HV57KRBR> has joined the channel",
module-08/2024-08-23.json:      "text": "<@U07HMD656K> has joined the channel",
module-08/2024-08-23.json:      "text": "<@U07JB4ZTDFC> has joined the channel",
module-08/2024-08-23.json:      "text": "<@U07304FQQT> has joined the channel",
module-08/2024-08-23.json:      "text": "<@U0730KHW0Z> has joined the channel",
module-08/2024-08-23.json:      "text": "<@U07JBKHB9H9> has joined the channel",
module-08/2024-08-27.json:      "text": "iwave: Hello, team!",
module-08/2024-08-27.json:      "text": " Hello, team!"
module-08/2024-08-27.json:      "text": "Hi",
module-07/2024-08-23.json:      "text": "<@U07HV57KRBR> has joined the channel",
module-07/2024-08-23.json:      "text": "<@U07HMD656K> has joined the channel",
module-07/2024-08-23.json:      "text": "<@U07JB4ZTDFC> has joined the channel",
module-07/2024-08-23.json:      "text": "<@U07304FQQT> has joined the channel",
module-07/2024-08-23.json:      "text": "<@U0730KHW0Z> has joined the channel",
module-07/2024-08-23.json:      "text": "<@U07JBKHB9H9> has joined the channel",
announcements/2024-09-25.json:      "text": "Hi everyone! Today I have my tutoring hours from 10:30 am to 1:30 pm CST.\nAsk questions here on Slack or join my <https://\utsa.zoom.us/j/2792252639>Zoom!",
announcements/2024-09-25.json:      "text": "Hi everyone! Today I have my tutoring hours from 10:30 am to 1:30 pm CST."
announcements/2024-09-25.json:      "text": "\n"
announcements/2024-09-25.json:      "text": "Ask questions here on Slack or join my "
announcements/2024-09-25.json:      "text": "Zoom"
announcements/2024-09-25.json:      "text": "i"
announcements/2024-09-25.json:      "text": "Hello everyone! iave: I'll be available today from 12:30 PM to 3:30 PM. Please feel free to ask your questions on Slack or join my <https://\utsa.zoom.us/j/8783019278>Zoom!",
announcements/2024-09-25.json:      "text": "Hello everyone! "
announcements/2024-09-25.json:      "text": " I'll be available today from 12:30 PM to 3:30 PM. Please feel free to ask your questions on Slack or join my "
announcements/2024-09-25.json:      "text": "Zoom"
announcements/2024-09-25.json:      "text": "i"
announcements/2024-09-30.json:      "text": "Hello everyone! Today I have my tutoring hours from 10:30 am to 1:30 pm CST.\nAsk questions here on Slack or join my <https://\utsa.zoom.us/j/2792252639>Zoom!",
announcements/2024-09-30.json:      "text": "Hi everyone! Today I have my tutoring hours from 3:30 pm to 7:30 pm CST."
announcements/2024-09-30.json:      "text": "\n"
announcements/2024-09-30.json:      "text": "Ask questions here on Slack or join my "
announcements/2024-09-30.json:      "text": "Zoom"
announcements/2024-09-30.json:      "text": "i"
announcements/2024-09-10.json:      "text": "Hi everyone! Today I have my tutoring hours from 4:30 pm to 9:30 pm CST.\nAsk questions here on Slack or join my <https://\utsa.zoom.us/j/2792252639>Zoom!",
announcements/2024-09-10.json:      "text": "Hi everyone! Today I have my tutoring hours from "
announcements/2024-09-10.json:      "text": "4:"
announcements/2024-09-10.json:      "text": "30 pm to "
announcements/2024-09-10.json:      "text": "9:"
announcements/2024-09-10.json:      "text": "30 pm CST."
announcements/2024-09-10.json:      "text": "\n"
announcements/2024-09-10.json:      "text": "Ask questions here on Slack or join my "
```

In the above screenshot we filtered slack with the text command to find all instances of text in the files.

BREAKPOINT 3

In this breakpoint we filtered the slack files even more, using different grep commands.

```
logan-weaver@loganweaver-VirtualBox: ~/Documents/unzip/IS-1003-Slack-Exports$ grep -R "[bB]reak[p]oint"
module-01/2024-09-10.json:      "text": "Whoops, I realized I was replying to a thread and not the main channel:\nHello, I'm about to finish my lab, and I'm on Breakpoint 4. I have a Lenovo Ideapad, and I was wondering if this class fell under one of the classes that are incompatible with it.\nI just realized this looking at the technology specifications on the website. Every other specification is good though.\n\nAlso, both hyperlinks in Breakpoint 4 lead to the same website.\nAccording to a Reddit post, it seems like I should be fine, but I'd thought I'd check here just in case.\n<https://\www.reddit.com/r/Lenovo/commments/10qgrja/>cannot_enable_virtualization_in_lenovo_ideapad/>".
module-01/2024-09-10.json:      "text": "Whoops, I realized I was replying to a thread and not the main channel:\nHello, I'm about to finish my lab, and I'm on Breakpoint 4. I have a Lenovo Ideapad, and I was wondering if this class fell under one of the classes that are incompatible with it.\nI just realized this looking at the technology specifications on the website. Every other specification is good though.\n\nAlso, both hyperlinks in Breakpoint 4 lead to the same website.\nAccording to a Reddit post, it seems like I should be fine, but I'd thought I'd check here just in case.\n"
module-01/2024-09-10.json:      "text": "Is it necessary to take a screenshot if there are no instructions to do so in certain Breakpoints? I just want to be sure because Lab 2 does not require one with the first Breakpoint and second Breakpoint.",
module-01/2024-09-31.json:      "text": "Is it necessary to take a screenshot if there are no instructions to do so in certain Breakpoints? I just want to be sure because Lab 2 does not require one with the first Breakpoint and second Breakpoint."
module-01/2024-09-31.json:      "text": "Hi Filip: Starting with Lab 02, you can use your best judgment on how screenshots will enhance your explanations of the tasks in the steps. On Breakpoint 1, the best way to verify your virtualization is a screenshot of how you found that it is enabled. On Breakpoint 2, my example of an image of the timestamps in that Breakpoint is a good approach.",
module-01/2024-09-31.json:      "text": "Hi Filip: Starting with Lab 02, you can use your best judgment on how screenshots will enhance your explanations of the tasks in the steps. On Breakpoint 1, the best way to verify your virtualization is a screenshot of how you found that it is enabled. On Breakpoint 2, my example of an image of the timestamps in that Breakpoint is a good approach."
module-01/2024-09-27.json:      "text": "For the lab, do the step # correlate with the breakpoint #? So I thought the step 1. Practice taking a screenshot was an example as opposed to breakpoint #1. Did I miss understand? I thought breakpoint 1 was about the computer I was using and screenshotting the desktop only.",
module-01/2024-09-27.json:      "text": "For the lab, do the step # correlate with the breakpoint #? So I thought the step 1. Practice taking a screenshot was an example as opposed to
```

In the above screenshot it shows how I filtered using capital and lowercase breakpoint words.

```
logan-weaver@loganweaver-VirtualBox: ~/Documents/unzip/IS-1003-Slack-Exports$ grep -R "[bB]reak[p]oint" module-02
module-02/2024-09-15.json:      "text": "Also new error, the terminal commands in Breakpoint 5 are asking "password for Kane:" and will not let me type anything.",
module-02/2024-09-15.json:      "text": "Also new error, the terminal commands in Breakpoint 5 are asking "password for Kane:" and will not let me type anything."
module-02/2024-09-20.json:      "text": "Hey I'm at step 6 of Breakpoint 05, I type in the command is, but it gives me a command not found. Am I typing in the wrong command?",
module-02/2024-09-20.json:      "text": "Hey I'm at step 6 of Breakpoint 05, I type in the command is, but it gives me a command not found. Am I typing in the wrong command?"
module-02/2024-09-20.json:      "text": "Hey I'm in step 6 of Breakpoint 05, and I am typing in the command is but the terminal says the command isn't found. Am I typing in the command incorrectly?",
module-02/2024-09-20.json:      "text": "Hey I'm in step 6 of Breakpoint 05, and I am typing in the command is but the terminal says the command isn't found. Am I typing in the command incorrectly?"
module-02/2024-09-20.json:      "text": "Ok I got to step 9 of Breakpoint 05, I've received the correct error message. However, I can't seem to use the terminal to restart the 05, its frozen and CTRL+ALT+T doesn't work either. Do I need to close the error message?",
module-02/2024-09-20.json:      "text": "Ok I got to step 9 of Breakpoint 05, I've received the correct error message. However, I can't seem to use the terminal to restart the 05, its frozen and CTRL+ALT+T doesn't work either. Do I need to close the error message?"
module-02/2024-09-20.json:      "text": "Ubuntu is totally messed up now; it is just a black screen. Breakpoint 05 seems to just destroy my progress and I do not know what I'm doing wrong.",
module-02/2024-09-20.json:      "text": "Ubuntu is totally messed up now; it is just a black screen. Breakpoint 05 seems to just destroy my progress and I do not know what I'm doing wrong."
module-02/2024-09-20.json:      "text": "I was thinking of uninstalling and reinstalling Ubuntu. Then joining the zoom so we can do a step-by-step process of Breakpoint 05 if that's ok.",
module-02/2024-09-20.json:      "text": "I was thinking of uninstalling and reinstalling Ubuntu. Then joining the zoom so we can do a step-by-step process of Breakpoint 05 if that's ok."
module-02/2024-09-12.json:      "text": "It seems as of September 11th a new version of Virtual Box (7.1.0) was released. In this version there is no summary page after adding a new virtual machine, and I ran into an issue with enabling 3D acceleration in the VM display settings. Whether or not we are to continue with the newer version, I am not sure, but for those wishing to get the screenshot for Breakpoint 3 the older version is available to download through the Virtual Box download link provided in the lab instructions.",
module-02/2024-09-24.json:      "text": "to access the command line interface for breakpoint 3, I'm hitting control alt T but it's not popping up. Does that mean Ubuntu is not downloaded?",
module-02/2024-09-24.json:      "text": "to access the command line interface for breakpoint 3, I'm hitting control alt T but it's not popping up. Does that mean Ubuntu is not downloaded?"
```

In the above screenshot it shows how I filtered using capital and lowercase breakpoint words but only in module 02.

```
logan-weaver@loganweaver-VirtualBox:~/Documents/unzip/IS-1003-Slack-Export$ grep -R '\s\?point'
module-01/2024-09-10.json:      "text": "Whoops, I realized I was replying to a thread and not the main channel:\nHello, I'm about to finish my lab, and I'm on Breakpoint 4. I have a Lenovo Ideapad, and I was wondering if this class fell under one of the classes that are incompatible with it.\n\nI just realized this looking at the technology specifications on the website. Every other specification is good though.\n\nAlso, both hyperlinks in Breakpoint 4 lead to the same website.\n\nAccording to a Reddit post, it seems like I should be fine, but I'd thought I'd check here just in case.\n<https://www.reddit.com/r/Lenovo/comments/10xqrja/cannot_enable_virtualization_in_lenovo_ideapad/>".
module-01/2024-09-10.json:      "text": "Whoops, I realized I was replying to a thread and not the main channel:\nHello, I'm about to finish my lab, and I'm on Breakpoint 4. I have a Lenovo Ideapad, and I was wondering if this class fell under one of the classes that are incompatible with it.\n\nI just realized this looking at the technology specifications on the website. Every other specification is good though.\n\nAlso, both hyperlinks in Breakpoint 4 lead to the same website.\n\nAccording to a Reddit post, it seems like I should be fine, but I'd thought I'd check here just in case.\n"
module-01/2024-09-31.json:      "text": "Is it necessary to take a screenshot if there are no instructions to do so in certain Breakpoints? I just want to be sure because Lab 2 does not require one with the first Breakpoint and second Breakpoint."
module-01/2024-09-31.json:      "text": "Hi Filip: Starting with Lab 02, you can use your best judgment on how screenshots will enhance your explanations of the tasks in the steps. On Breakpoint 1, the best way to verify your virtualization is a screenshot of how you found that it is enabled. On Breakpoint 2, my example of an image of the timestamps in that breakpoint is a good approach."
module-01/2024-09-31.json:      "text": "Hi Filip: Starting with Lab 02, you can use your best judgment on how screenshots will enhance your explanations of the tasks in the steps. On Breakpoint 1, the best way to verify your virtualization is a screenshot of how you found that it is enabled. On Breakpoint 2, my example of an image of the timestamps in that breakpoint is a good approach."
module-01/2024-08-27.json:      "text": "For the lab, do the step # correlate with the breakpoint #? So I thought the step 1. Practice taking a screenshot was an example as opposed to breakpoint #1. Did I misunderstand? I thought Breakpoint 1 was about the computer I was using and screenshotting the desktop only."
module-01/2024-08-27.json:      "text": "For the lab, do the step # correlate with the breakpoint #? So I thought the step 1. Practice taking a screenshot was an example as opposed to breakpoint #1."
module-01/2024-08-27.json:      "text": "Did I misunderstand? I thought Breakpoint 1 was about the computer I was using and screenshotting the desktop only"
module-01/2024-08-27.json:      "text": "Hi Vanessa: Step 01 takes your through how to take a screenshot, but you should also contextualize the\n\"story\" a bit by \"introducing\" your computer, as indicated in the Breakpoint."
module-01/2024-08-27.json:      "text": "Hi Vanessa: Step 01 takes your through how to take a screenshot, but you should also contextualize the\n\"story\" a bit by \"introducing\" your computer, as indicated in the Breakpoint."
module-01/2024-08-27.json:      "text": "For Breakpoint 1 do we need to write a \"summary of the goals of the breakpoint\"? This was asked in the Template. I just answered the questions from Breakpoint 1 that were in the Instruction PDF. I did not include the summary of goals."
module-01/2024-08-27.json:      "text": "For Breakpoint 1 do we need to write a \"summary of the goals of the breakpoint\"? This was asked in the Template. I just answered the questions from Breakpoint 1 that were in the Instruction PDF. I did not include the summary of goals."
module-01/2024-08-27.json:      "text": "Hi Filip: Yes, this is correct. The template language is generic and leads you back to the more specific breakpoint for the \"goals\". Thanks for asking!"
module-01/2024-08-27.json:      "text": "Hi Filip: Yes, this is correct. The template language is generic and leads you back to the more specific breakpoint for the \"goals\". Thanks for asking!"
module-01/2024-08-27.json:      "text": "For the breakpoints, yes. However, please refer to the template for instructions about the Intro, Conclusion, References, and Collaboration sections."
module-01/2024-08-27.json:      "text": "For the breakpoints, yes. However, please refer to the template for instructions about the Intro, Conclusion, References, and Collaboration sections."
module-01/2024-08-27.json:      "text": "What do you exactly mean by timestamp in the Breakpoints?"
module-01/2024-08-27.json:      "text": "Hey Professor <@07HKE796G4>, for Lab 01 in the Lab-Template where we put the screenshot of chosen website that illustrates a favorite hobby, podcast, musician, game, etc. The introduction mentions talking about the overview and breakpoint 1 asks to speak about our computer. Thank you!"
```

In the above screenshot it shows how I filtered using the word point, in breakpoint, both upper and lowercase.

```
logan-weaver@loganweaver-VirtualBox:~/Documents/unzip/IS-1003-Slack-Export$ grep -R '\s\?[pP]oint'
module-01/2024-09-04.json:      "text": "Hello everyone <@vave>\n\nThe Online Cyber Security Alliance (OCSA) is hosting the first Python Tech Talk of the semester tomorrow at 7:00 p.m. CST!\n\nThe goal of these sessions is to introduce students to programming with Python and give everyone a chance to get hands-on with interactive activities. Python is my favorite programming language, so I am excited to have the opportunity to present tomorrow's session. Attending this session counts toward Participation Points!\n\nYou can join the meeting at this <https://utsa.zoom.us/j/98793537331> Zoom link- or from the event's <https://rowdylink.utsa.edu/event/10397688> RowdyLink page>. You don't need any prior programming experience or be an OCSA member to join, but it would be helpful to have Python installed on your device so you can follow along with the activities. You can download Python at <https://www.python.org/downloads/> this link>. Alternatively, you can follow along with an online IDE like <https://www.onlinedb.com/> IDB Online>.\n\nIf you have any questions, feel free to ask in <#C07HMMFV0K> participation-journal> or send me a Direct Message. If you are interested in learning more about Python, I hope you can make it. :smile:"
module-01/2024-09-04.json:      "text": "\n\nThe Online Cyber Security Alliance (OCSA) is hosting the first Python Tech Talk of the semester tomorrow at 7:00 p.m. CST!\n\nThe goal of these sessions is to introduce students to programming with Python and give everyone a chance to get hands-on with interactive activities. Python is my favorite programming language, so I am excited to have the opportunity to present tomorrow's session. Attending this session counts toward Participation Points!\n\nYou can join the meeting at this "
module-01/2024-09-05.json:      "text": "Maybe I will lose some points because I try a lot but it's same."
module-01/2024-09-05.json:      "text": "Sara's point is right on target as some professors do use proctoring. In addition, having a webcam is essential for any online meetings or interviews with employers."
module-01/2024-09-05.json:      "text": "Sara's point is right on target as some professors do use proctoring. In addition, having a webcam is essential for any online meetings or interviews with employers."
module-01/2024-09-09.json:      "text": "Hello, I do not currently have a webcam however I do plan on purchasing one as soon as possible. Will I just lose points from not including the screenshot of myself from my webcam for breakpoint 5?"
module-01/2024-09-09.json:      "text": "Hello, I do not currently have a webcam however I do plan on purchasing one as soon as possible. Will I just lose points from not including the screenshot of myself from my webcam for breakpoint 5?"
module-03/2024-09-11.json:      "text": "Hello <@07K3E2CDBS>\n\nThank you for pointing that out! :pray:\n\nYes, Prof. Mitra did <https://is-1003-fall-2024.slack.com/archives/C07HMMFV0K/p1725619517909369?thread_ts=1725601007.099859&cid=C07HMMFV0K> say> that your terminal picture should be of your \\Users\\Filip\\Desktop\\IS 1003 Lab work\\ directory. Apologies! I thought the lab instructions were directing students to take screenshots of their home directories. :slightly_smiling_face:\n\nSince using the \\IS-1003 Lab work\\ directory was approved, you should be good! :raised_hands:"
module-03/2024-09-11.json:      "text": "\n\nThank you for pointing that out!"
module-04/2024-09-17.json:      "text": "Thanks, Rylan, for your excellent pointers for creating a script and then executing it! Scripts are essential for saving and automating work. If you want to just try a Powershell block out at the command line, you can use the backtick character to continue to the next line (and then press Enter);".
module-04/2024-09-17.json:      "text": "Thanks, Rylan, for your excellent pointers for creating a script and then executing it! Scripts are essential for saving and automating work. If you want to just try a Powershell block out at the command line, you can use the backtick character to continue to the next line (and then press Enter);".
module-04/2024-09-11.json:      "text": "Hi Filip: It's up to you which options you select. You will not need them for this Lab. Having said that, collaborative coding and Security are likely areas you would be interested in at some point...and maybe Automation and CI/CD. You can add these later too, however."
module-04/2024-09-11.json:      "text": "Hi Filip: It's up to you which options you select. You will not need them for this Lab. Having said that, collaborative coding and Security are likely areas you would be interested in at some point...and maybe Automation and CI/CD. You can add these later too, however."
module-04/2024-09-12.json:      "text": "You do not need provide proof of academic status in order to complete this lab. To gain access to additional student tools, however, you may want to use an educational account at some point."
module-04/2024-09-12.json:      "text": "You do not need provide proof of academic status in order to complete this lab. To gain access to additional student tools, however, you may want to use an educational account at some point."
```

In the above screenshot it shows how I filtered using the word point, without breakpoint, both upper and lowercase.

BREAKPOINT 4

In this breakpoint I filtered all of the slack logs using the word “help” both capital and lowercase, it includes all words including help like helped, helping, helps, ect.

```
logan-weaver@loganweaver-VirtualBox:~/Documents/unzip/IS-1003-Slack-Export$ grep -LR "help"
...announcements/2024-09-04.json:      "text": "Hello everyone :wave:\n\nThe Online Cyber Security Alliance (OCSA) is hosting the first Python Tech Talk of the semester tomorrow at 7:00 p.m. CST!\n\nThe goal of these sessions is to introduce students to programming with Python and give everyone a chance to get hands-on with interactive activities. Python is my favorite programming language, so I am excited to have the opportunity to present tomorrow's session. Attending this session counts toward Participation Points!\n\nYou can join the meeting at this <https://utsa.zoom.us/j/9879357331> Zoom link or from the event's <https://rowdylink.utsa.edu/event/10397688/RowdyLink page>. You don't need any prior programming experience or be an OCSA member to join, but it would be helpful to have Python installed on your device so you can follow along with the activities. You can download Python at <https://www.python.org/downloads/> this link>. Alternatively, you can follow along with an online IDE like <https://www.onlinegdb.com/> IGD Online>.\n\nIf you have any questions, feel free to ask in <#C07HNMVFVKJ|participation-journal> or send me a Direct Message. If you are interested in learning more about Python, I hope you can make it. :smile:"
...announcements/2024-09-04.json:      "text": " ", "You don't need any prior programming experience or be an OCSA member to join, but it would be helpful to have Python installed on your device so you can follow along with the activities. You can download Python at "
module-01/2024-09-10.json:      "text": "hello, I am wondering if we have to cite our pictures? like our google searches? In the lab instructions it says to cite anything that helped you finish the lab, do we have to cite things like that? Or just "outside" help that helped us understand the lab "
module-01/2024-09-10.json:      "text": "hello, I am wondering if we have to cite our pictures? like our google searches? In the lab instructions it says to cite anything that helped you finish the lab, do we have to cite things like that? Or just "outside" help that helped us understand the lab "
module-01/2024-09-27.json:      "text": "It's anyone can help me for lab\nI don't know how I do the lab I just see \nThis",
module-01/2024-09-27.json:      "text": "It's anyone can help me for lab\nI don't know how I do the lab I just see \nThis"
module-01/2024-09-26.json:      "text": "I can't do the lab assignment \nI don't know what is the problem \nIs anyone can help me please ",
module-01/2024-09-26.json:      "text": "I know what is the problem \nIs anyone can help me please "
module-01/2024-09-04.json:      "text": "Hi <@U07K004DA01>.\n\nI am not exactly sure about Prof. Desot's class specifications, but the <https://business.utsa.edu/students/technology-requirements/> Minimum Computer Specifications for the Alvarez College of Business recommends that laptops have a "[w]ebcam (internal or external), speaker and microphone".\n\nI highly recommend that you invest in a web camera some time during your degree plan because future classes will require that you use <https://honorlock.com/> HonorLock for quizzes/exams. HonorLock is a proctoring Chrome extension that requires that you submit a room scan and keep your web camera on during the evaluation. Therefore, having a web camera on hand will prepare you for those classes.\n\nI hope this helps. :slightly_smiling_face:",
module-01/2024-09-04.json:      "text": " for quizzes/exams. HonorLock is a proctoring Chrome extension that requires that you submit a room scan and keep your web camera on during the evaluation. Therefore, having a web camera on hand will prepare you for those classes.\n\nI hope this helps. :slightly_smiling_face:",
module-01/2024-09-02.json:      "text": "The Coursera Module 1 (Foundations of Cybersecurity) certificate is not due in Canvas until October 15. The dates in Canvas per week are \"To-Do's\" to help you with time management, not for grading, so that you stay on track and work incrementally. Does that answer your question? Also, the dates in Coursera are set by them, not by us. You can ignore those dates.",
module-01/2024-09-02.json:      "text": "The Coursera Module 1 (Foundations of Cybersecurity) certificate is not due in Canvas until October 15. The dates in Canvas per week are \"To-Do's\" to help you with time management, not for grading, so that you stay on track and work incrementally. Does that answer your question? Also, the dates in Coursera are set by them, not by us. You can ignore those dates.",
module-01/2024-09-05.json:      "text": "Thank you professor for help",
module-01/2024-09-05.json:      "text": "Thank you professor for help"
module-01/2024-09-30.json:      "text": "Lab 1 Tip: I use 2 monitors this helps with dealing with IR. I have the instructions on one monitor and the word document that I am working in on the other monitor. This helps when comparing them side to side. Snipping tool is very easy to use when doing the screenshots. I just hit the + to do a new snip and when I am done I save a copy and just paste the picture in my word document.",
```

BREAKPOINT 5

This was my first time writing a bash script and I really enjoyed it. The script filtered out the files by slashes, quotes, urls, and whitespaces.

```
logan-weaver@loganweaver-VirtualBox:~/Documents/unzip/IS-1003-Slack-Export$ ls -l links.sh
-rwxrwxr-x 1 logan-weaver logan-weaver 522 Nov  5 19:18 links.sh
```

The screenshot above is showing my ls -l command in the terminal

```
GNU nano 6.2 links.sh
#!/bin/bash

# Introduction
echo "Hello! Thank you for using my bash script! "
# create output
links.txt

# print all filenames
find . -type f -name "*.json" -print0 |

# Filter files for https with grep
while read -d $'\0' file
do
    grep '"url": "https:.*"' $file |
    grep -v -e 'slack.com' -e 'zoom.us' |
    sed -e 's/\\\\\\\\/\\/g' -e 's/\\/g' |
    tr -d '"' |
    sed 's/^[:space:]*url: //' >> links.txt |
# Sorting
sort -u links.txt -o links.txt
# username and date

Logan Weaver
11/05/2024
Thank you for using my bash script!
done
```

The screenshot above is showing my links.sh file, it is a bash script that filters out .json files using grep.

```
35 https://www.oracle.com/virtualization/technologies/vm/downloads/virtualbox-downloads.html
36 https://www.python.org/downloads/
37 https://www.reddit.com/r/Lenovo/comments/10xqrja/cannot_enable_virtualization_in_lenovo_ideapad/
38 https://www.techtarget.com/searchsecurity/definition/sudo-superuser-do#:~:text=Sudo%20is%20a%20command%2Dlinerun%20under%20their%20regular%20accounts
39 https://www.virtualbox.org/wiki/Testbuilds
40 https://www.youtube.com/watch?v=cnSgkEK8Cww
41 https://www.youtube.com/watch?v=cZ3S10p010o
42 https://zibib.org/
43 https://academic-store.comptia.org/certification-vouchers/c/11332
```

The screenshot above is showing my output txt file found in the GUI.

```
logan-weaver@loganweaver-VirtualBox:~/Documents/unzip/IS-1003-Slack-Export$ ./links.sh
Hello! Thank you for using my bash script!
```

The screenshot above shows the terminal output when my bash script is run. It includes a hello, and a thank you for using my script.

CONCLUSION

I did not have many challenges besides typos again, it was a very engaging lab and I hope to be able to write more bash scripts in the future. I feel like I learned a lot about how scripts are made and run using the command line.

REFERENCES

R. Mitra, “*Lab 05: Filtering*,” The University of Texas at San Antonio (2024). Last accessed: 11/05/2024.

COLLABORATION

I worked alone.