**SESSION PLANNING SHEET**

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|  | **SLG Leaders: Ankit Thapar** | | | **Date: 6 February, 2024** |
|  | **Course: OPS102** | | | **Week #: 5** |
| **OBJECTIVES:** *What does the group most need to get out of this session?*: | | | | |
| * Understand the concept of **Permissions** * Meaning of **Permissions** with respect to **Files** and **Directories** * Different ways to set permissions: **Octal** and **Symbolic** | | | | |
| **CO-FACILITATION CHECKLIST:** | | | | |
| Check session plans in the Leader’s Manual for inspiration  Decide who will plan and lead each activity. What support do you need from your co-facilitator?  Prepare your PowerPoint session file  Check for accessibility & compatibility Upload your session planning sheet to MS Teams  Promote your session! | | | | |
| **FACILITATOR** | **OPENING ACTIVITY:**(*Consider the time of the semester, numbers anticipated, proximity of tests, etc.)* | | | |
|  | 1. **Opening Activity**   **Q/A:** Discussion of the doubts related to the previous session. | | | |
|  | **Content/Concept** | **Activity**  *Align learning strategy to content;*  *provide instructions for participants* | **Collaborative Technique**  *How will participants work on this task together?* | |
|  | **ACTIVITY 1:** | | | |
|  | Concept of **Permissions** with respect to **Files** | **Q1.** List all the observations which you can make from the diagram.    **Q2.** Create a new file named 'SLGPermissions' in your home directory.    **Q3.** What permissions do you have on the file?    **Q4.** Add some text to the file !!!    **Q5.** View the content of the file 'SLGPermissions' using the 'cat' command.    **Q6.** Deny yourself permission to write to the file.    **Q7.** Try adding some text to the file.  **Q8.** Create a new file named 'Commands' and write some basic commands to the file like 'whoami', 'pwd' etc.  **Q9.** Try to execute the commands written in the file by running the file.    **Q10.** Give yourself the permission to execute the file.    **Q11.** You still don't have the permission to write to the 'SLGPermissions'. Give yourself back the permission to write to the file. | Mentimeter | |
|  | **ACTIVITY 2:** | | | |
|  | Concept of **Permissions (Symbolic, Octal)** with respect to **Directories** | **Q1.** Create a directory named 'IWill' in home directory and view the permissions on it.    **Q2.** Create three files named 'Patience', 'Persistence' and 'Perseverance' in the 'IWill' directory.    **Q3.** Set permission for all (user, group, others) to read and execute only using octal notation.    **Q4.** Try to view the contents of the 'IWill' directory.    **Q5.** Try to create a file with a name of your choice in 'IWill' directory.  **Q6.** Try to rename the file 'Patience' to the name of your choice.  **Q7.** Try to delete any of the files within the 'IWill' directory.  You can't remove or change the 3Ps from your life !!!  **Q8.** Give everyone the permission to only read the 'IWill' directory.    **Q9.** Try to view the contents of the 'IWill' directory along with all the details.    **Q10.** Try to view the contents of the 'Patience' file using the 'cat' command.    **Q11.** Give everyone the permission to only execute the 'IWill' directory.    **Q12.** Try to view the contents of the 'IWill' directory.    **Q13.** Try to view the permissions (details) of the 'Persistence' file. |  | |
|  | **ACTIVITY 3:** | | | |
|  | Revising **Permissions** | **Q1.** User(r,w) Group(w) Others (None)  1. chmod 0612  2. chmod 0620  3. chmod 0621  4. chmod 0602  **Q2.** User(r--), Group(r--), Others(r--). Give user the permission to write and others only the execute permission.  1. chmod u=w,o=x  2. chmod u=rw,o+x  3. chmod u+w,o=x  4. chmod u+w,o+x  **Q3.** Every new file or directory created should deny write permission to user, read and write to group.  1. umask 0660  2. umask 0260  3. umask 0261  4. umask 0266 | Quiz | |
|  | **CLOSING ACTIVITY:** | | | |
|  | **Clear Skies/ Muddy Waters:**  Ask students about the clear concepts and discuss those they still have doubts about. | | | |
| **POST-SESSION REFLECTION:** | | | | |
| Take 3-5 minutes to briefly summarize your session. You may address any of these questions:   * What went well? * What didn’t? * What did people say? * What would you do differently next time? * What content / learning strategies will you cover in your next session? | | | | |
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