Linux Commands Challenge: Try to complete each of these tasks in your Unix command prompt. You may need to install some packages

1. In your “Documents” directory, make a folder called “activity” with three subfolders named “one”, “two”, and “three”. Do this in **one line**
2. In the “one” directory, make a simple BASH script that prints out numbers 1 through 10. Run the file.
3. Change the permissions of the file such that root own the file and all other users can only read the file.
4. Once you verify that only root can run the file, allow all users to have read, write, and execute access to the file.
5. Now, modify the BASH script such that it uses a **function** to print every number from 1 to 1000 every 5 seconds.
6. Run this script in **the background**
7. The script is actually very annoying. End the process (you should not be able to use CTRL C)
8. In your terminal, list your Documents directory as a tree.
9. Generate a random password of length 15. Create a new user (along with their user directory) and assign this password to the user.
10. Copy the contents of your activity directory into the ‘Documents’ folder of the new user. The new user’s Documents folder should not have an “activity” folder.
11. To commemorate the new user, make a file with the current date and time, down to the seconds. Do this without a text editor.
12. Check the amount of swap memory on your system, in megabytes.
13. List all processes running by each user
14. Finally, remove the “activity” directory you made in your documents folder. Remove the new user as well as their user directory. **Do all three of these in one line**