

Please ssh to mam-server.uct.ac.za using the username and password given to you by the facilitator. **Please note your username will be your first name in lower caps**

Download the file http://math_research.uct.ac.za/~siphelo/admin/exam/saip-test.tar.gz and extract it to your home directory

Answer questions to a file answer-book.txt that will be in your home directory after you've extracted the file.

1. What command did you use to download the file?
2. What command did you use to extract the file?
3. Find out the version of the operating system? what command did you use?
4. What is the version of apache? What command did you use?
5. How to redirect a page in PHP?
6. Create a directory called public_html, What command did you use?
7. Make a copy of the file myscrip.html to index.html and move the index.html copy to the directory public_html what command(s) did you use?
8. Make changes to the index.html file create your own personal site, the site should clearly reflect your name, surname and your city, your site should be accessible via http://math_research.uct.ac.za/~yourname/ whereby yourname is your username
9. Show the permission attributes of the file hello.sh, what command did you use?
10. Change the permission attributes of the file hello.sh to make it executable, in the form of -rwxr-xr-x, what command did you use?
11. Run/execute the program and save/copy the output to a file named output.txt
12. Create the directory "applications" inside public_html directory populate it with the files downloaded from "http://math_research.uct.ac.za/~siphelo/admin/applications/windows/winscp404setup.exe" and http://math_research.uct.ac.za/~siphelo/admin/applications/macosex/SoftwareUpdateEnabler104.dmg these files should be visible in the directory listing and should be downloadable in a client web browser by clicking on the files.
13. Write a program, in any language of your choice (whether scripting or compiled language), that runs in an infinite loop (until interrupted) and continuously clears the screen, whereafter it reports a list of which users are logged into the system. The program should pause for 3 seconds during every iteration. The exact output of the program does not strictly matter.
14. What language did you use to write your program?
15. What is the source code text of your program? Save the source code of your program in your home directory in a file named "exam-program.txt".

Answer the following mysql database questions to a file named dataset.txt

16. Login to mysql with the same username and password What command did you use?
17. Display all databases; what command did you use?
18. Make active the database name SAIP, what command did you use?
19. How many tables are there in the current database what command did you use?
20. Display everything in the students table, what command did you use?
21. From students table show only students whose gender is female and are from Durban
What command did you use?

Note: you should now have at least the following files in your account home directory:

- "answer-book.txt"
- "exam-program.txt"
- "myscrip.html"
- "dataset.txt"
- "hello.sh"
- "output.txt"

and the directory public_html and its contents
