**USP Week 1 Lab Assignments**

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| 1 | Experiment with open system call.   1. Create a file named “a.txt” with permissions rw-rw-r— 2. If the file exists, do not recreate, give an error message “File already exists” and exit. |
| 2 | Experiment with lseek system call   1. Open an existing file in read-write mode 2. Seek before the beginning of the file and test what happens 3. Seek beyond the end of the file, check the offset, close the file and exit. Check the file size 4. Seek beyond the end of the file, write a few bytes, close the file and exit. Check the file size |
| 3 | Write a program to display contents of a file in reverse. (Use lseek)  If the file contains  abcdefgh  then  display hgfedcba |