Ingé1 - Unix
LAB 4 – Regular Expressions
ESME Bordeaux-Lille-Lyon-Paris

Exercise 1 : Stream Redirection 1

Q1. List the contents of a directory of your choice, but instead of displaying it, save the result in a file called **contents**. Display its contents page by page.

Exercise 2 : Stream Redirection 2

Q1. Execute and interpret the following commands:

1. `ls -l > list.txt`

2. `cat list.txt`

3. `ls >> list.txt`

4. `more list.txt`

5. `ls > list.txt`

6. `cat list.txt`

Exercise 3 : Stream Redirection 3

Q1. Assuming that **file1** <u>exists</u> and **file2** <u>does not exist</u>, execute and interpret the following commands:

1. `mkdir tmp`

2. `cp -v file1 file2 tmp`

3. `cp -v file1 file2 tmp > message.txt`

4. `cat message.txt`

5. `cp -v file1 file2 tmp 2> message.txt`

6. `cp -v file1 file2 tmp > message.txt 2>&1`

7. `cp -v message.txt`

Exercise 4 : Pipes 1

Q1. Execute and interpret the following commands:

1. `ls -R / | more`

2. `grep "#define" /usr/include/*.h | sort | more`

Exercise 5 : Pipes 2

Q1. List all files and directories in /etc recursively and in detail, redirecting the output and error streams to the files **list_etc** and **err_etc**, respectively.

Q2. Count the total number of directory types in the file **list_etc** (Consider using pipes and the commands **grep** and **wc**).