***Assignment LBD***

*Exercise 1 :*

mkdir -p my\_files

for i in {1..5}; do

echo "This is file $i." > my\_files/file$i.txt

done

*Exercise 2 :*

text\_files=$(find . -type f -name "\*.txt")

total\_lines=0

for file in $text\_files; do

lines=$(wc -l < "$file")

total\_lines=$((total\_lines + lines))

done

echo "Total lines in all text files: $total\_lines"

*Exercise 3 :*

cat input.txt | tr -s '[:space:]' '\n' | tr -d '[:punct:]' | tr '[:upper:]' '[:lower:]' | sort | uniq -c | sort -nr | head -n 5

*Exercise 4 :*

while true; do

echo "Menu:"

echo "1. List all files in the current directory."

echo "2. List all running processes."

echo "3. Check available disk space."

echo "4. Exit"

read choice

case $choice in

1)

ls

;;

2)

ps aux

;;

3)

df -h

;;

4)

echo "Exiting the program."

exit 0

;;

\*)

echo "Invalid choice. Please choose again."

;;

esac

done

*Exercise 5 :*

mkdir -p large\_files

log\_file=log.txt

find . -type f -size +10M -exec mv {} large\_files/ \; -exec echo "Moved {} to large\_files/" >> $log\_file \;

*Exercise 6 :*

echo "Hostname: $(hostname)"

echo "Kernel version: $(uname -r)"

wmic cpu list /format:list

$ grep MemTotal /proc/meminfo

echo "Current date and time: $(date)""

*Exercise 8 :*