**Shell Scripting**

**Day 1**

***Basic Shell Scripting Commands***

echo

* 1. **Description:** Prints text or variables to the terminal.
  2. **Example:** echo "Hello, World!"

cat

* 1. **Description:** Concatenates and displays the content of files.
  2. **Example:** cat filename.txt

ls

* 1. **Description:** Lists directory contents.
  2. **Example:** ls -l (lists with detailed information)

cd

* 1. **Description:** Changes the current directory.
  2. **Example:** cd /path/to/directory

pwd

* 1. **Description:** Prints the current working directory.
  2. **Example:** pwd

cp

* 1. **Description:** Copies files or directories.
  2. **Example:** cp source.txt destination.txt

mv

* 1. **Description:** Moves or renames files or directories.
  2. **Example:** mv oldname.txt newname.txt

rm

* 1. **Description:** Removes files or directories.
  2. **Example:** rm filename.txt

mkdir

* 1. **Description:** Creates a new directory.
  2. **Example:** mkdir new\_directory

rmdir

* 1. **Description:** Removes empty directories.
  2. **Example:** rmdir empty\_directory

chmod

* 1. **Description:** Changes file permissions.
  2. **Example:** chmod 755 script.sh

chown

* 1. **Description:** Changes file ownership.
  2. **Example:** chown user:group filename.txt

ps

* 1. **Description:** Displays information about active processes.
  2. **Example:** ps aux

kill

* 1. **Description:** Sends a signal to terminate a process.
  2. **Example:** kill -9 PID (where PID is the process ID)

grep

* 1. **Description:** Searches for text within files.
  2. **Example:** grep "search\_term" filename.txt

find

* 1. **Description:** Searches for files and directories.
  2. **Example:** find /path -name filename.txt

man

* 1. **Description:** Displays the manual page for a command.
  2. **Example:** man ls

echo $VARIABLE

* 1. **Description:** Prints the value of a variable.
  2. **Example:** echo $HOME

export

* 1. **Description:** Sets environment variables.
  2. **Example:** export VAR=value

ifconfig **/** ip

* 1. **Description:** Displays or configures network interfaces.
  2. **Example:** ifconfig or ip a

wget

* 1. **Description:** Downloads files from the web.
  2. **Example:** wget http://example.com/file

curl

* 1. **Description:** Transfers data from or to a server.
  2. **Example:** curl -O <http://example.com/file>

Alternatively, if you prefer using a terminal-based text editor like nano or vim, you can create and edit a text file, then convert it to a .doc file using additional tools if necessary.