**Assignment 2: Write some 30 Linux commands with examples**

**1.ls** - List directory contents

ls -l

**2.cd** - Change directory  
 cd /home/user

**3.pwd** - Print working directory  
 Pwd

**4.touch** - Create an empty file  
 touch newfile.txt

**5.cp** - Copy files or directories  
 cp source.txt destination.txt

**6.mv** - Move/rename files or directories  
 mv oldname.txt newname.txt

**7.rm** - Remove files or directories  
 rm file.txt

**8.mkdir** - Create a new directory  
 mkdir newdirectory

**9.rmdir** - Remove an empty directory  
 rmdir emptydirectory

**10.chmod** - Change file permissions  
chmod 755 script.sh

**11.chown** - Change file owner and group  
chown user:group file.txt

**12.cat** - Concatenate and display file content  
cat file.txt

**13.echo** - Display a line of text  
echo "Hello, World!"

**14.nano** - Open the nano text editor  
nano file.txt

**15.vi** - Open the vi text editor  
vi file.txt

**16.grep** - Search for patterns in files  
grep "pattern" file.txt

**17.find** - Search for files in a directory hierarchy  
find /home/user -name "filename.txt"

**18.du** - Estimate file space usage  
du -sh /home/user

**19.df** - Report file system disk space usage  
df -h

**20.tar** - Archive files  
tar -czvf archive.tar.gz /path/to/directory

**21.unzip** - Extract compressed files  
unzip archive.zip

**22.ps** - Report a snapshot of current processes  
ps aux

**23.top** - Display tasks  
top

**24.kill** - Terminate processes  
kill 1234

**25.wget** - Download files from the web  
wget http://example.com/file.zip

**26.curl** - Transfer data from or to a server  
curl http://example.com

**27.ssh** - OpenSSH remote login client  
ssh user@remotehost

**28.scp** - Secure copy files between hosts  
scp file.txt user@remotehost:/path/to/destination

**29.ifconfig** - Configure a network interface  
ifconfig

**30.ping** - Send ICMP ECHO\_REQUEST to network hosts  
ping google.com