

**Q1. A) Write and execute the following Commands on Linux**

- i) Display last modification and access time of particular file.

```
stat <filename>
```

- ii) Write linux command to Open Last Edited File.

```
ls -t | head -n 1 | xargs xdg-open
```

- iii) Create the following text file and write commands based on it

**UNIX OPERATING SYSTEM**

**UNIX OPERATING SYSTEM**

**UNIX DEDICATED SERVER**

**LINUX DEDICATED SERVER**

Write a linux command to display only duplicate lines

```
cat>file.txt
```

```
sort <file_name> | uniq -d
```

- iv) Create a file and search a string case insensitively in the give file.

```
cat>example.txt
```

```
grep -i example.txt
```

- v) Write a line 'welcome to operating system' and then write a vi command to Deletes the current line.

```
:dd
```

**Q1.B) Write a shell script to show the list of users logged into the system.**

```
#!/bin/bash
```

```
echo "List of users logged into the system:"
```

```
who
```

**Q2. Write a shell script to accept as argument an extension name such as .txt and move the contents of all files with this extension to a directory by the same name.**

**Or**

**Q2. Write a shell script that accepts any number of arguments and prints them in a reverse order.**

```
#!/bin/bash
```

```
if [ $# -eq 0 ]; then
```

```
    echo "No arguments provided."
```

```
    exit 1
```

```
fi
```

```
args=("$@")
```

```
for (( i=${#args[@]}-1; i>=0; i-- )); do
```

```
    echo "${args[i]}"
```

```
done
```

