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

i) Display last 5 lines of College.txt

```
tail -n 5 College.txt
```

ii) Display list of all files ending with .txt from current working directory.

```
ls *.txt
```

iii) Create the following text file a.txt and write commands based on it.

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Sort the above file on second field

```
sort -k2 a.txt.
```

iv) Create file as follows and write commands for same.

$ cat assignment.txt unix or linux os

is unix good os is linux good os

Write a linux command that prints the second field in each line by treating the space as delimiter.

```
awk '{print $2}' assignment.txt
```

v) Write a control command Moves screen down one line.

```
Ctrl+F
j
```

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 that accepts a file name, starting and ending line numbers as arguments and displays all the lines between the given line numbers.

```
#!/bin/bash

if [ $# -ne 3 ]; then
   echo "Usage: $0 <file_name> <start_line_number> <end_line_number>"
   exit 1
fi

file_name=$1
start_line=$2
end_line=$3

if [ ! -f "$file_name" ]; then
   echo "File $file_name does not exist."
   exit 1
fi

if [ "$start_line" -gt "$end_line" ]; then
   echo "Start line number cannot be greater than end line number."
   exit 1
fi
sed -n "${start_line},${end_line}p" "$file_name"
```

Or

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

```
#!/bin/bash
for((i=$#; i>0; i--)); do
        echo "${!i}"
   done
```