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

i) Create a subdirectory in the directory created.

mkdir subdirectory

ii) Accept the file and display that file along with line numbers.

cat -n filename

iii) Assume the below contents of file1.txt

Priya

Tuhina

Tushar

Shreya

Sort the above file in alphabetical order.

sort file1.txt

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

\$ cat file.txt

unix or linux os

is unix good os

is linux good os

Create a file and display field from first to fourth of each line from the file.

```
echo "unix or linux os" > file.txt
echo "is unix good os" >> file.txt
echo "is linux good os" >> file.txt
awk '{print $1, $2, $3, $4}' file.txt
```

v) Type the following sentences:

Welcome to BCA science department. This is FYBCA class.

The class strength is 80.

Now delete first 2 lines from this sentences using vi command

Q1. B) Write a shell script to display file in reverse order.

#!/bin/bash

```
if [ $# -ne 1 ]; then
  echo "Usage: $0 <filename>"
  exit 1
fi
tac "$1"
```

Q2. Write a shell script to check whether given number is odd or even.

```
echo "Enter a number:"
read number

if [ $((number % 2)) -eq 0 ]; then
echo "$number is even."
else
echo "$number is odd."
fi
```

#!/bin/bash

Or

Q2.Write a shell script to find sum of digits.