**Q1.Create a script to create a file Student\_info.txtin the directory“OSLAB/Script/”and write information regarding extracurricular activity performed by you. Display the content of file in sorted order line by line.**

#!/bin/sh

mkdir OSLAB

cd OSLAB

mkdir Script

cd Script

echo "SpeedCubing">>Student\_info.txt

echo "Competitive Coding">>Student\_info.txt

echo "Writing poems">>Student\_info.txt

sort Student\_info.txt

**Q2.Create a script to check whether file Student\_info.txt in the directory “OSLAB/Script/” and append semester performance into file. Display the content of file. Also remove the file from directory with user confirmation.**

#!/bin/sh

if [ -e "Student\_info.txt" ]

then

echo "File found! :)"

else

echo "File not found! :/"

fi

echo "Semester 4 SPI: 9.21">>Student\_info.txt

cat Student\_info.txt

read -p "Do you want to delete your file Enter y/n?" opt

if [ "$opt" = "y" ]

then

echo "Deleting file..."

rm Student\_info.txt

else

echo "Okay"

fi

**Q3. Find number of CPUs running in the system. Create a file prodetails.txt which store CPU usage information about all the process running in the system.**

#!/bin/bash

cat /proc/cpuinfo | grep processor | wc -l

ps -eo pid,cmd,%cpu > prodetails.txt

**Q4.Create a script to list down all Phone Number without their name and Addresses in a tab separated file which contains Name, Address and PhoneNumber.**

#!/bin/bash

cut -f3 < inputfile.txt

**Q6.Create a script to check whether the remote host 172.27.16.154 is alive or not. If alive then display the alive message otherwise display dead.**

#!/bin/bash

if ping -c 1 -W 1 172.27.16.154 ; then

echo "172.27.16.154 is alive";

else

echo "172.27.16.154 is not alive";

fi

Q7.

#!/bin/sh

mail -s "Greetings!" reciever@gmail.com <<< "Happy Budday!" //won’t fkcn work

Because mail is not installed. Install it and it will work

Q8.