```
$grep -i "UNix" geekfile.txt
$grep -c "unix" geekfile.txt
$grep -l "unix" f1.txt f2.txt f3.xt f4.txt
$ grep -w "unix" geekfile.txt
$ grep -o "unix" geekfile.txt
$ grep -n "unix" geekfile.txt
$ grep -v "unix" geekfile.txt
$ grep "^unix" geekfile.txt
$ grep "os$" geekfile.tx
$grep —e "Agarwal" —e "Aggarwal" —e "Agrawal" geekfile.txt
$grep -A1 learn geekfile.txt


$ tail -n 3 state.txt
$ tail +25 state.txt
$ tail -c -6 state.txt
$ tail -c +263 state.txt
$ tail -q state.txt capital.txt
```

$ sort -o file 2file
$sort -r file
$sort -k 2n file
$sort -n file
$sort -r file
$sort -nr file

$awk '{print}' file
$awk '/manager/{print}' file
$awk '{print $1,$3}' file
$awk '{print NR,$0}' file
$awk '{print NF}' file
$awk 'NR==3 , NR==6 {print}' file
$awk '{print NR "-" $1}'

$sed 's/unix/linux/' file
$sed 's/u/l/3' file
$sed 's/u/l/g' file
$sed 's/u/l3g' file
$sed '3 s/u/l/p' file
$sed -n 's/unix/l/p' file
$sed '1,3
$sed '3,$
delete
$sed 'nd' file
$sed '3,5d' file
$sed '/sid/d' file

$cut -b 1-3,5-6 file
$cut -b 1,2,3 file

$cut -c 1,4,6 fil
$cut -d " " -f 2 file
--complement

```bash
echo ${#varname}
arr=(1 2 3)
echo ${arr[0]}
echo ${#arr[@]}
echo ${arr[@]:8}
echo ${arr[@]:3:4}

echo ${str:7}
echo ${str:1:4}


if [ $a == $b ]
then
    echo "a is equal to b"
else
    echo "a is not equal to b"
fi

CARS="bmw"

#Pass the variable in string
case "$CARS" in
    "mercedes") echo "Headquarters - Affalterbach, Germany" ;;
    "audi") echo "Headquarters - Ingolstadt, Germany" ;;
    "bmw") echo "Headquarters - Chennai, Tamil Nadu, India" ;;
esac

#Start of for loop
for a in 1 2 3 4 5 6 7 8 9 10
do
    if [ $a == 5 ]
    then
        break
    fi
    echo "Iteration no $a"
done

while [ $a -lt 10 ]
do
    echo $a
    a=`expr $a + 1`
done

COLORS="red green blue"
for COLOR in $COLORS
do
    echo "COLOR: $COLOR"
done
```

```bash
for SAMPLE in $@
do
    echo "The given sample is: $SAMPLE"
done
```