Regex expressions

cat msg.txt
this is linux
welcome to linux
learn linux, learn fast
linu is very easy to learn
akash@Lenovo-PC:~$ grep t msg.txt
this is linux
welcome to linux
learn linux, learn fast
linu is very easy to learn
akash@Lenovo-PC:~$ grep v msg.txt
linu is very easy to learn
akash@Lenovo-PC:~$ grep in msg.txt
this is linux
welcome to linux
learn linux, learn fast
linu is very easy to learn
akash@Lenovo-PC:~$ grep is msg.txt
this is linux
linu is very easy to learn
akash@Lenovo-PC:~$ grep rn msg.txt
learn linux, learn fast
linu is very easy to learn
akash@Lenovo-PC:~$ grep -E 'L|r' msg.txt
learn linux, learn fast
linu is very easy to learn
akash@Lenovo-PC:~$ grep -P 'L|r' msg.txt
learn linux, learn fast
linu is very easy to learn
akash@Lenovo-PC:~$ grep -G 'L\|r' msg.txt
learn linux, learn fast
linu is very easy to learn
akash@Lenovo-PC:~$ grep -E 'L*' msg.txt
this is linux
welcome to linux
learn linux, learn fast
linu is very easy to learn
akash@Lenovo-PC:~$ cat dupli.txt
This is carry
that is carry
carry is good for health
carry is green
akash@Lenovo-PC:~$ cat dupli.txt
This is carry
that is carry
carry is good for health
carry is green
akash@Lenovo-PC:~$ cat > dupli.txt
one
four

```
six
eight
four
nine
ten
one
akash@Lenovo-PC:~$ grep r$ dupli.txt
four
four
akash@Lenovo-PC:~$ grep e$ dupli.txt
one
nine
one
akash@Lenovo-PC:~$ grep ^o dupli.txt
one
one
akash@Lenovo-PC:~$ cat > file
someone just called me.
some people are worst.
i need to buy some mangoes.
akash@Lenovo-PC:~$ grep some file
someone just called me.
some people are worst.
i need to buy some mangoes.
akash@Lenovo-PC:~$ grep '\bsome\b' file
some people are worst.
i need to buy some mangoes.
akash@Lenovo-PC:~$ grep -w some file
some people are worst.
i need to buy some mangoes.
akash@Lenovo-PC:~$ echo interactive | sed 's/inte/dis/'
disractive
akash@Lenovo-PC:~$ echo interactive | sed 's:inte:dis:'
disractive
akash@Lenovo-PC:~$ echo interactive | sed 's_inte_dist_'
distractive
akash@Lenovo-PC:~$ echo interactive | sed 's|inte|dist|'
distractive
akash@Lenovo-PC:~$ cat file1
cat: file1: No such file or directory
akash@Lenovo-PC:~$ cat > file1
today is thursday
today is not a holiday
akash@Lenovo-PC:~$ sed -i 's/today/tomorrow/' file1
akash@Lenovo-PC:~$ cat file1
tomorrow is thursday
tomorrow is not a holiday
akash@Lenovo-PC:~$ echo fourty | sed 's/four/&&/'
fourfourty
akash@Lenovo-PC:~$ echo xxxx-xx-xx | sed 's/....-..-../YYYY-MM-DD/'
YYYY-MM-DD
```