some shell programming tutorials
---
http://user.it.uu.se/~matkin/documents/shell/
http://steve-parker.org/sh/intro.shtml
http://www.freeos.com/guides/lsst/

some articles on shells
---
http://en.wikipedia.org/wiki/Bash
http://en.wikipedia.org/wiki/C_shell

csh = bad
---
http://www.faqs.org/faqs/unix-faq/shell/csh-whynot
http://www.grymoire.com/Unix/CshTop10.txt

syntax

Bourne shell (sh) syntax samples

test:
[number -lt|-le|-eq|-ne|-ge|-gt number]
[string = != string]

```
if [ test ]
then
  commands
elif [ test ]
  commands
else
  commands
fi

for var in item1 item2 item3
do
```

```
  commands
done

while test
do
  commands
done

case expression in
  case1)         commands ;;
  case2|case3)   commands ;;
  *)             default-commands ;;
esac


# How to read an input file into shell variables:
while read variable1 variable2
do
  ...
done < $input_file

# How to redirect stdout/stderr
echo something 1>&2
echo something 2>&1

# How to throw out stdout and stderr
some_command > /dev/null 2>&1

# Shell functions:
func () {
        echo $1 $2 $3
}
func a b c
```

C shell (csh) syntax samples

```
test:
( expression ==|!=|>>|<< expression )

if ( test ) command

if ( test ) then
   commands
else if ( test ) then
   commands
else
   commands
end if

foreach var ( list list list )
  commands
end

while condition
   commands
end

# How to throw out stdout and stderr
some_command >& /dev/null
```