```
Pasics

name="John"
echo ${name}
```

Substitution

```
${F00%suffix}
echo ${name}
                                                  ${FOO#prefix}
echo ${name/J/j} #=> "john" (substitution)
echo ${name:0:2} #=> "Jo" (slicing)
${F00%suffix}
echo ${name::-1} #=> "Joh" (slicing)
                                                  ${F00##prefix}
echo ${name:(-1)} #=> "n" (slicing from right)
echo ${name:(-2):1} #=> "h" (slicing from right)
                                                  ${FOO/from/to}
echo ${food:-Cake} #=> $food or "Cake"
                                                  ${F00//from/to}
length=2
echo ${name:0:length} #=> "Jo"
                                                  ${F00/%from/to}
                                                  ${F00/#from/to}
See: Parameter expansion
                                                Length
STR="/path/to/foo.cpp"
echo ${STR%.cpp}
                 # /path/to/foo
                                                  ${#F00}
echo ${STR%.cpp}.o # /path/to/foo.o
echo ${STR%/*}
                 # /path/to
                                                Default values
echo ${STR##*.}
                 # cpp (extension)
echo ${STR##*/} # foo.cpp (basepath)
                                                  ${F00:-val}
echo ${STR#*/}
                   # path/to/foo.cpp
echo ${STR##*/} # foo.cpp
                                                  ${F00:=val}
echo ${STR/foo/bar} # /path/to/bar.cpp
                                                  ${F00:+val}
                                                  ${F00:?message}
STR="Hello world"
echo ${STR:6:5} # "world"
                                                  Omitting the: removes the (non)nullity checks, e.g. ${
echo ${STR: -5:5} # "world"
SRC="/path/to/foo.cpp"
BASE=${SRC##*/} #=> "foo.cpp" (basepath)
DIR=${SRC%$BASE} #=> "/path/to/" (dirpath)
```

Loops

Basic for loop

C-like for loop

```
for i in /etc/rc.*; do
  echo $i
done
```