

# Bash

## extract filename parts

source

```
~% FILE="example.tar.gz"
```

```
~% echo "${FILE%%.*}"
```

example

```
~% echo "${FILE%.*}"
```

example.tar

```
~% echo "${FILE#*.*}"
```

tar.gz

```
~% echo "${FILE##*.*}"
```

gz

## uppercase var

```
echo "${var^^}"
```

## lowercase var

```
echo "${var,,}"
```

## increment var

```
i=$((i+1))
```

## native regex

```
if [[ "$var" =~ [0-9]{3} ]]
```

```
then
```

```
    echo 'it matches'
```

```
fi
```

## count args

```
echo "$#"
```

## print line number

```
echo "$LINENO"
```

## clear starship error code

```
true
```

## check for program

```
if (! type 7z > /dev/null 2>&1 )
```

```
then
```

```
    echo "7zip not installed"
```

```
fi
```

## assign to an array

```
myArray=()
```

```
myArray+=("$var")
```

## count array elements

```
echo "array has ${#myArray[@]} items"
```

## iterate an array

```
for var in "${myArray[@]}"
do
    echo "$var"
done
```

## iterate args

```
for arg in "$@"
do
    echo "$arg"
done
```

## date gate

```
if [[ "$(date '+%s')" -lt "$(date --date '2552-09-28' '+%s')" ]]
then
    echo 'skippy skippy'
    exit 0
fi
```