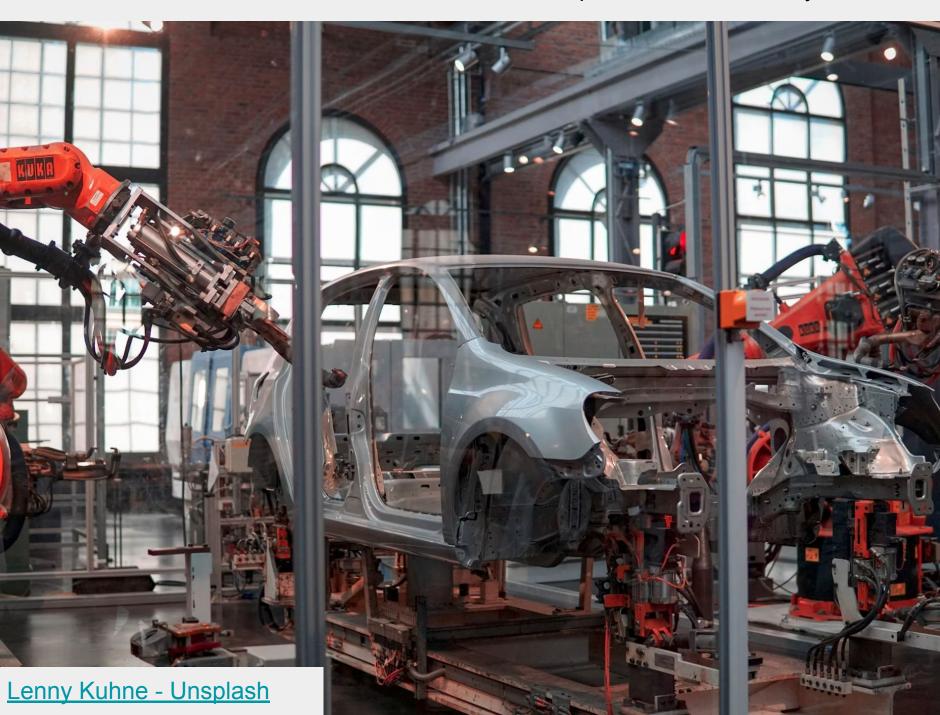# bash scripting – functions

Adapted from materials by Dr. Carrier

Declaring and calling functions

```
function my_function() {

    commands

}


# To call:

my_function
```

Function parameters

Just like normal command line args!

Function parameters

Just like normal command line args!

```
function my_function() {

    echo "You passed: $1"

}


# To call:

my_function foo
```

Example - What does this output?

```
function repeat() {
  range=$(seq 0 $2)
  for i in $range
  do
    echo "$1"
  done
}

repeat "hello" 5
repeat "!!!" 10
repeat $1 $2
```

A note on scope

You have to mark variables as local, but it is good practice!

```
function my_function() {
   local x
   x=5
   echo "Inside function: x = ${x}"
}


x=1
echo "Before function: x = ${x}"
my_function
echo "After function: x = ${x}"
```