

# Combining commands and files

# Executing multiple commands

`command1; command2; command3;`

Each command will be executed one after other

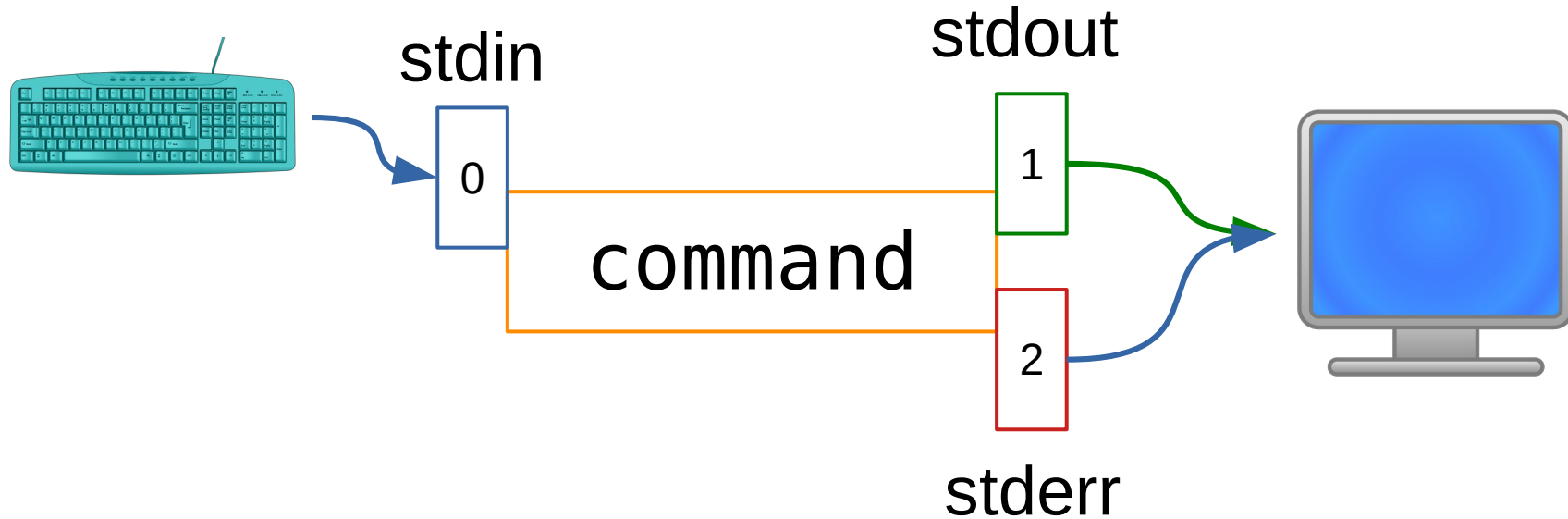
`command1 && command2`

command2 will be executed only if command1 succeeds

`command1 || command2`

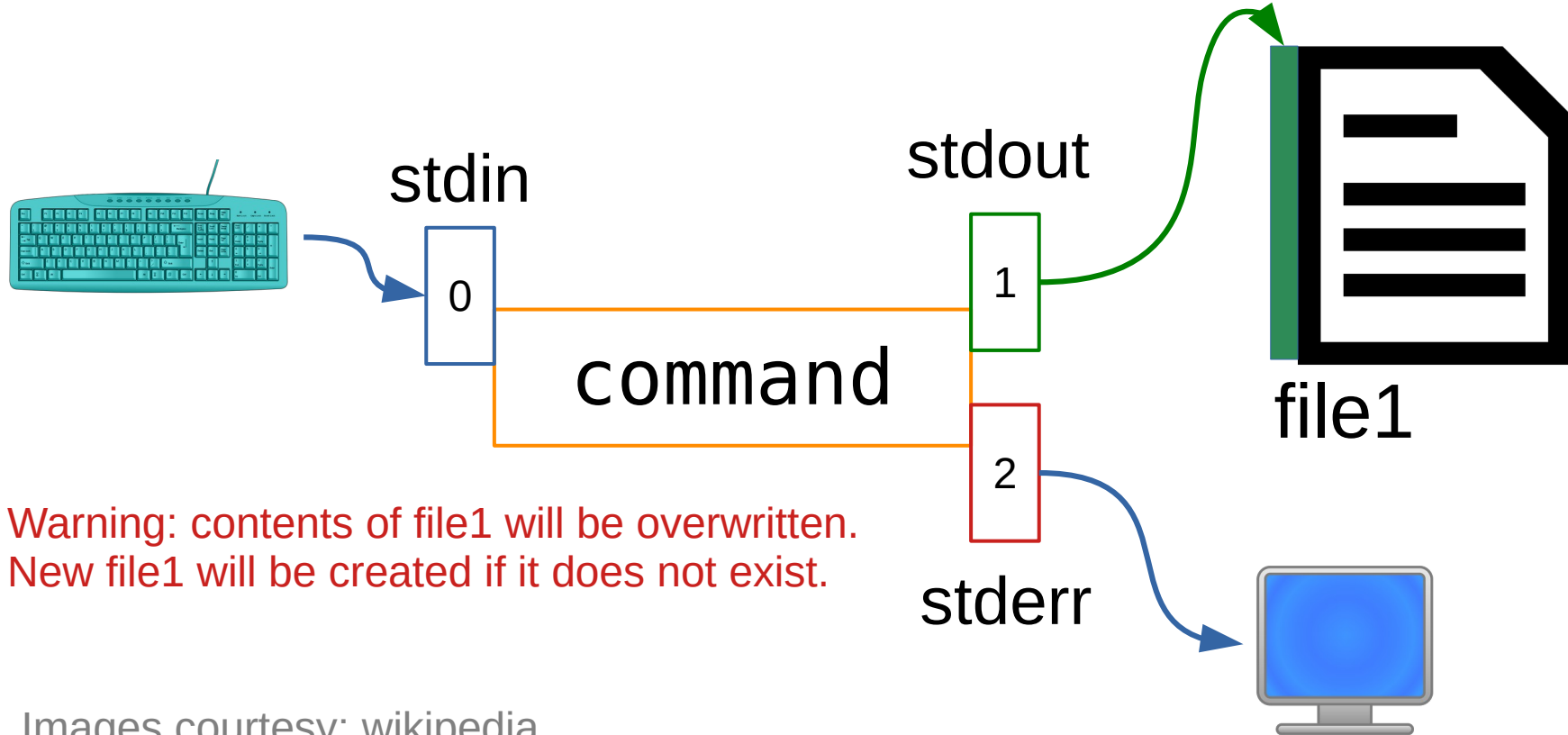
command2 will not be executed if command1 succeeds

# File descriptors

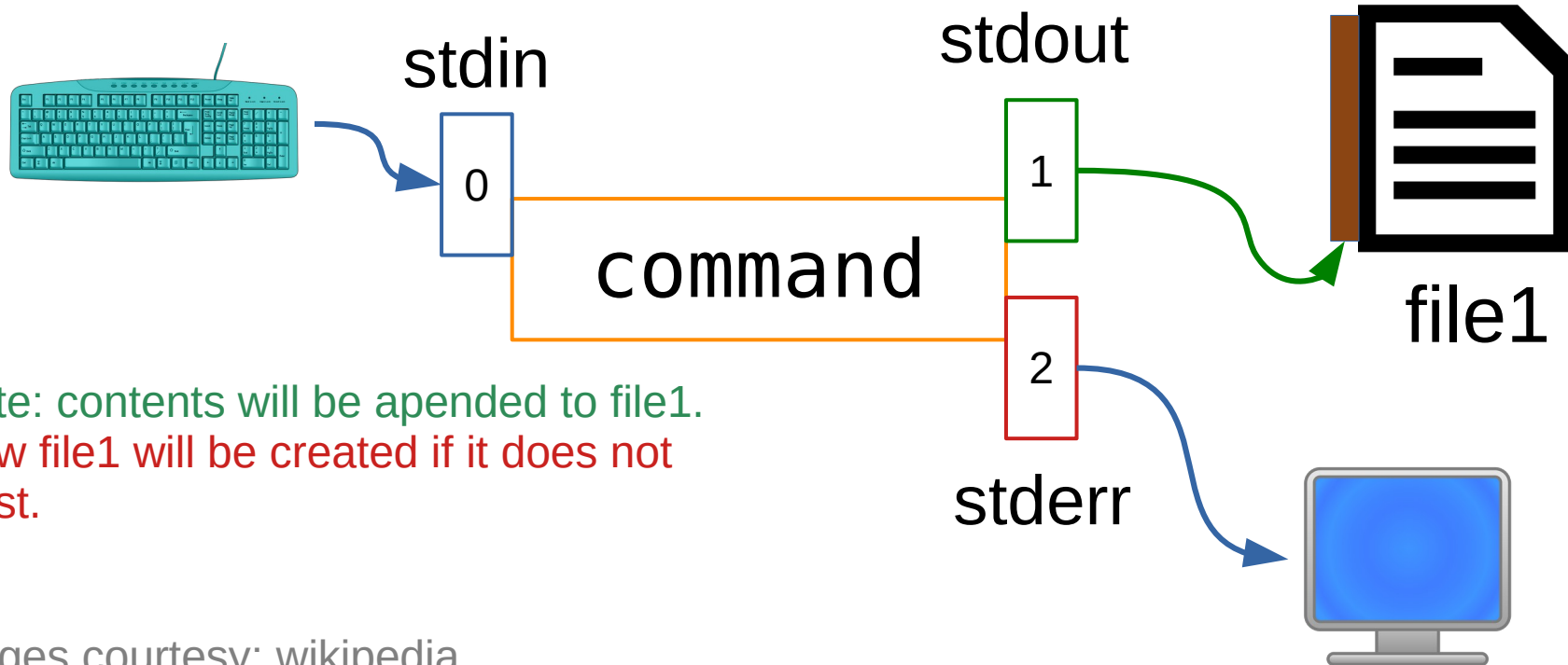


Images courtesy: wikipedia

# command > file1

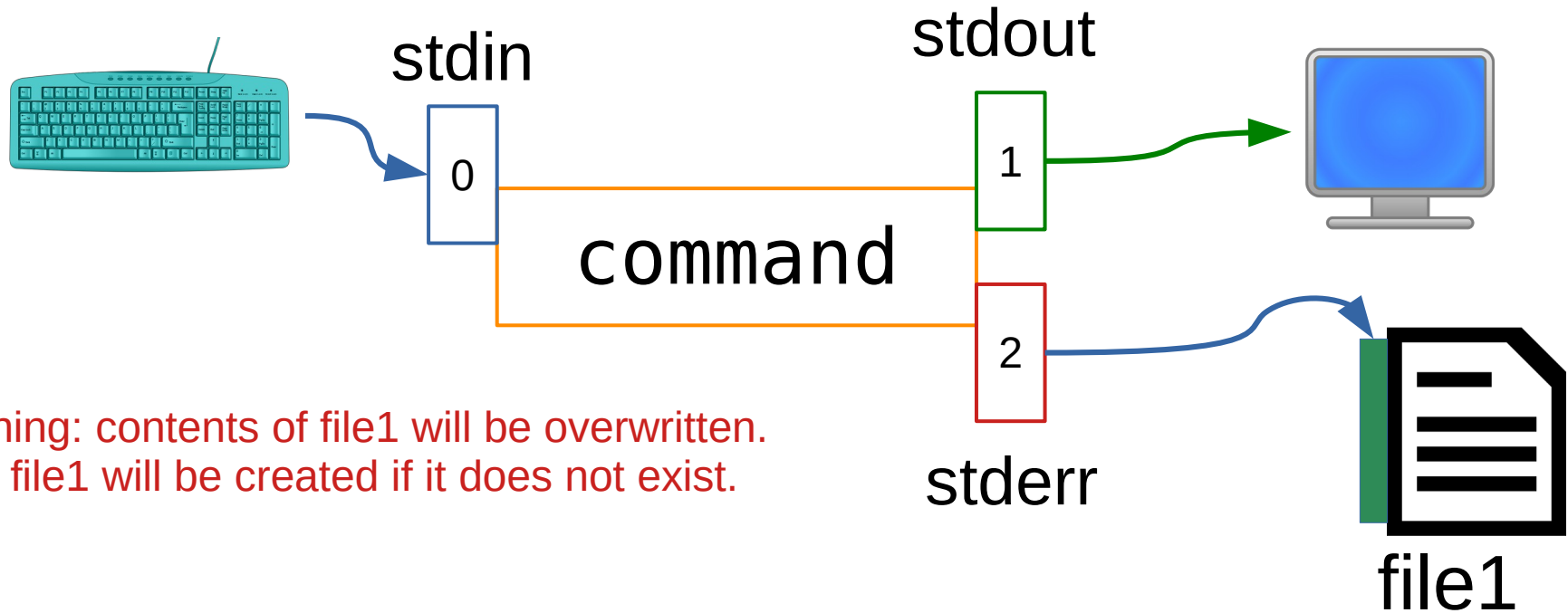


# command >> file1



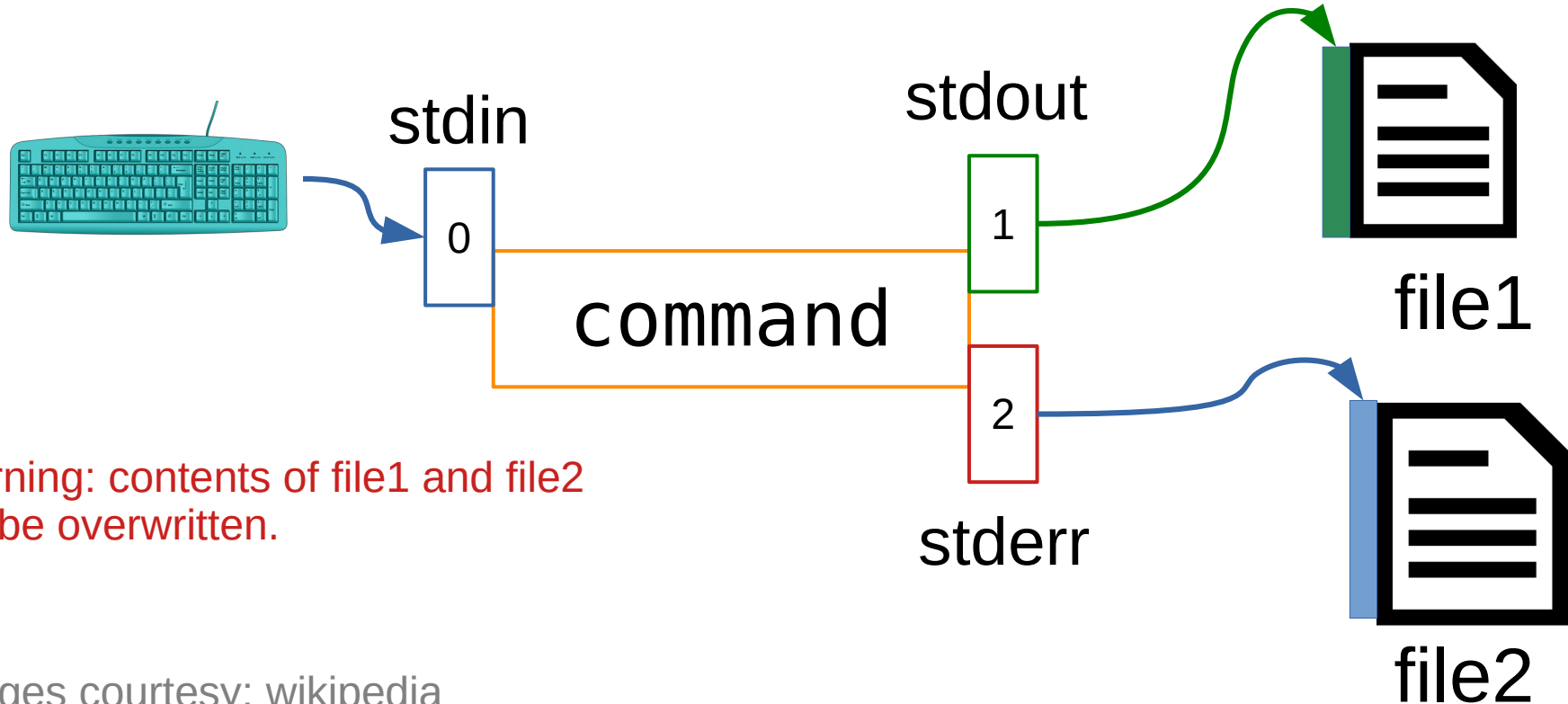
Note: contents will be appended to file1.  
New file1 will be created if it does not exist.

# command 2> file1

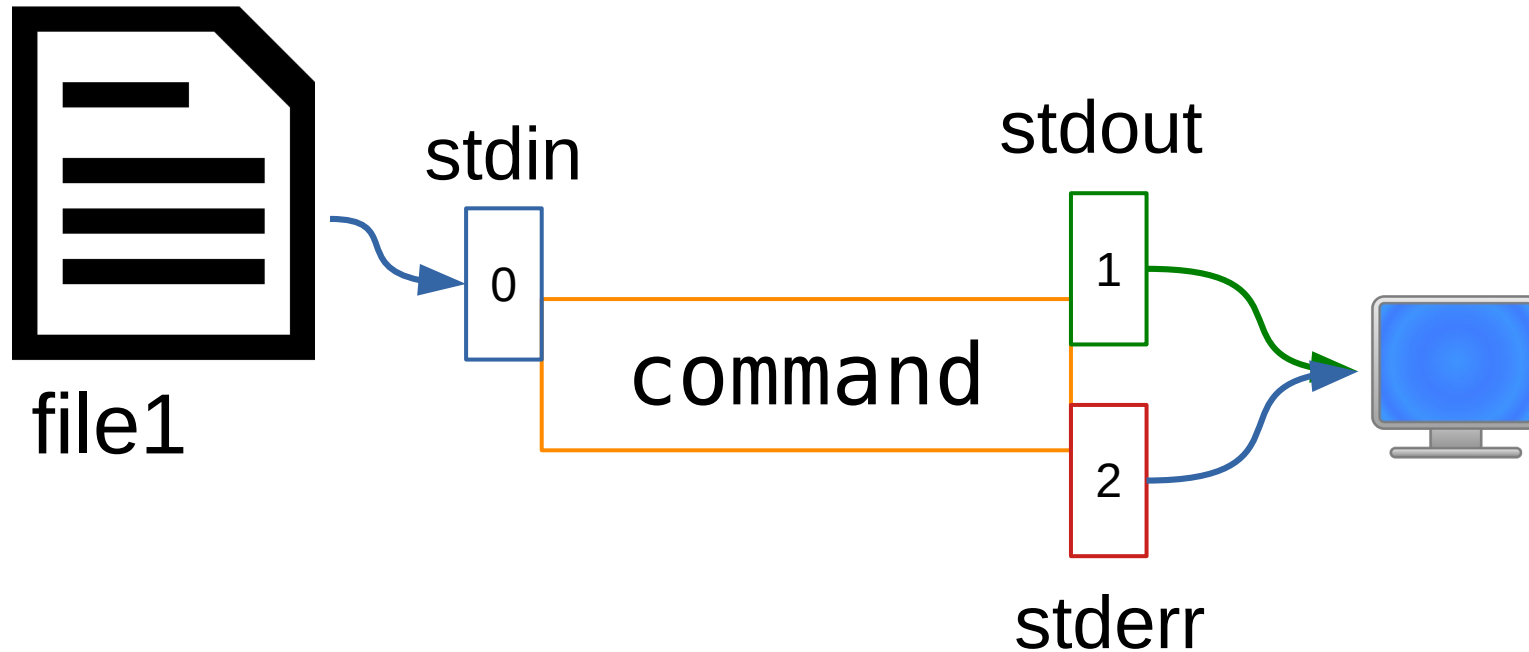


Warning: contents of file1 will be overwritten.  
New file1 will be created if it does not exist.

```
command > file1 2> file2
```

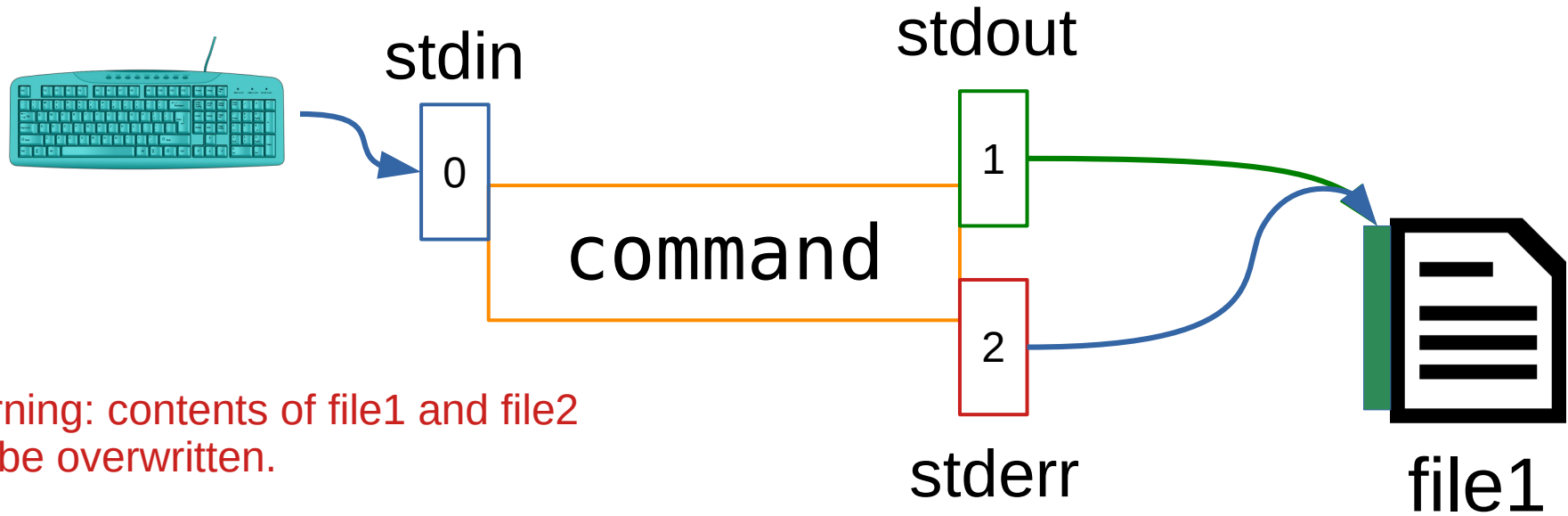


# command < file1

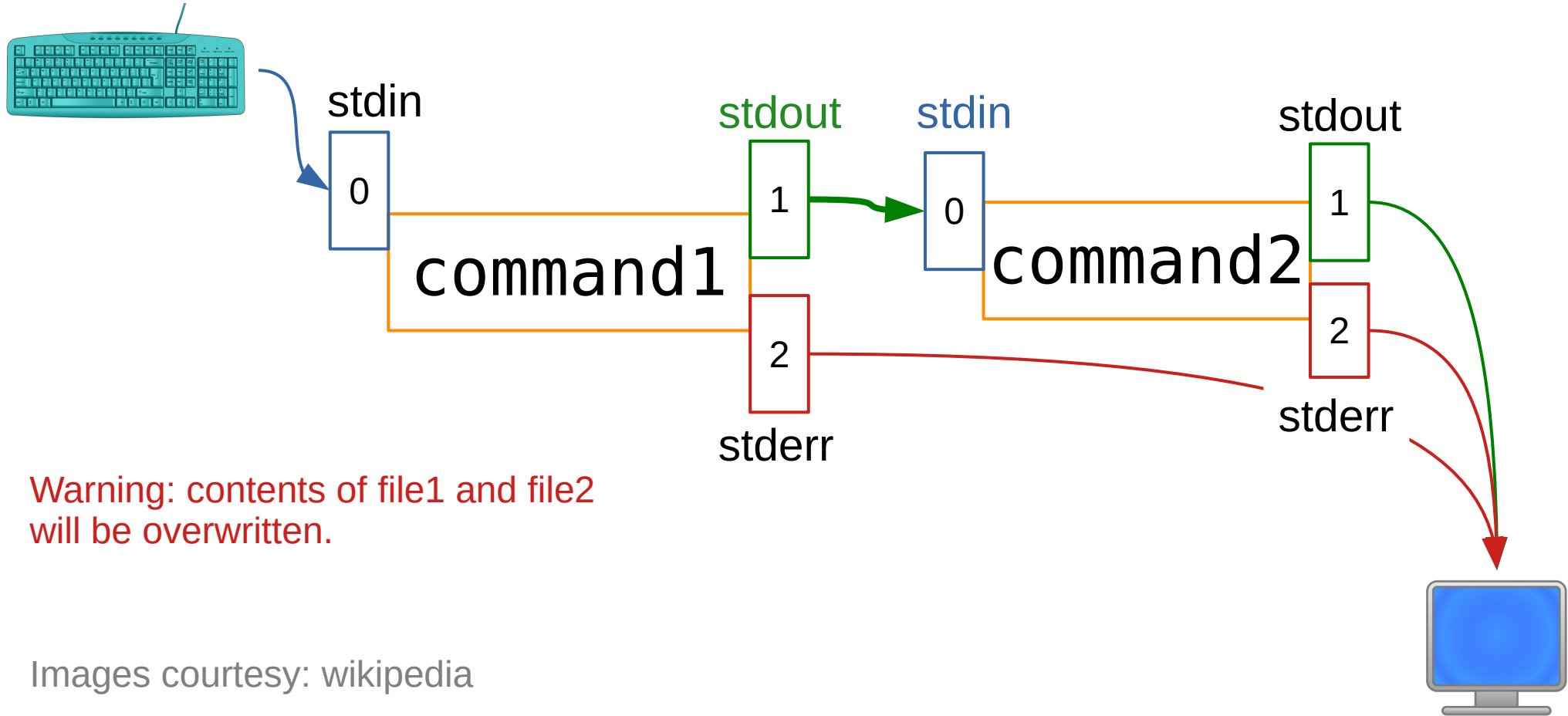




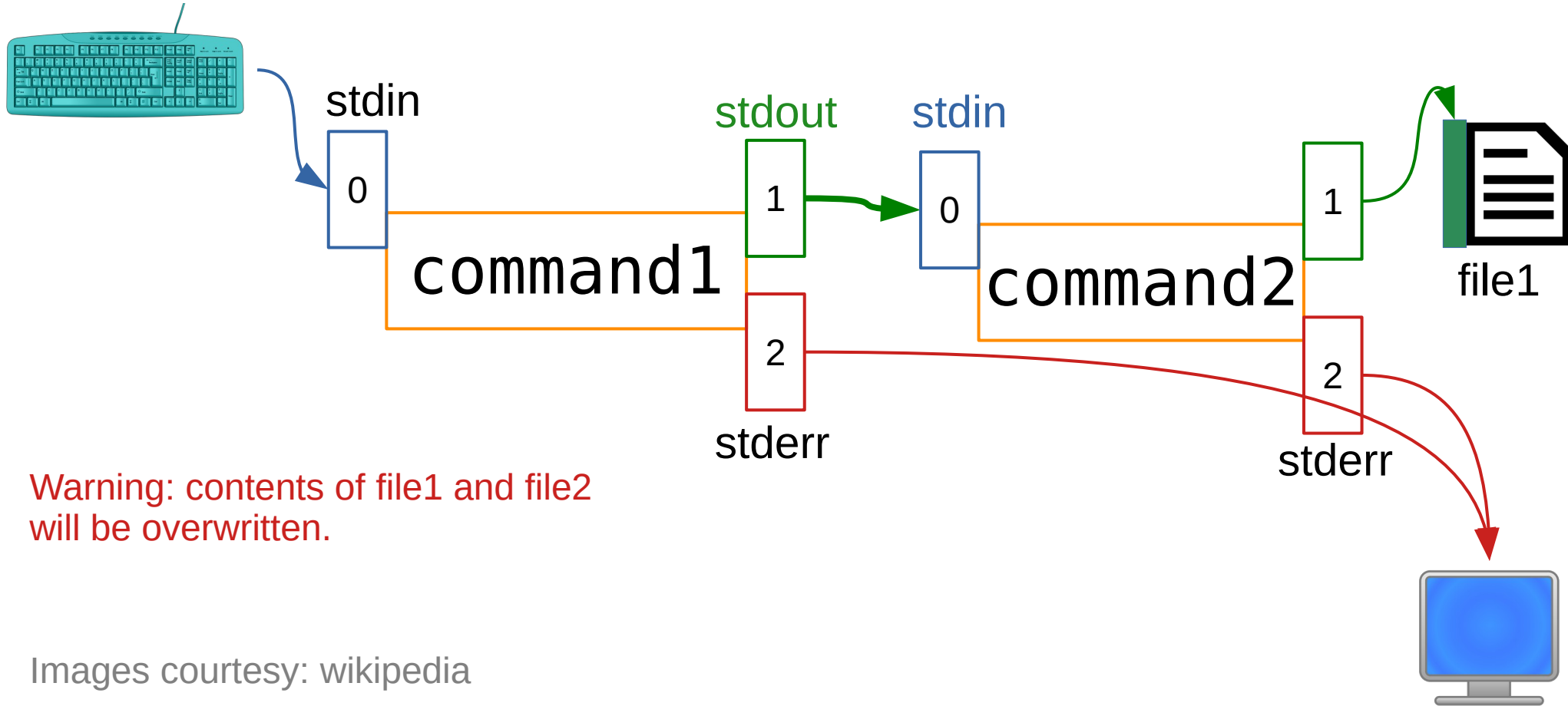
```
command > file1 2>&1
```



# command1 | command2



```
command1 | command2 > file1
```

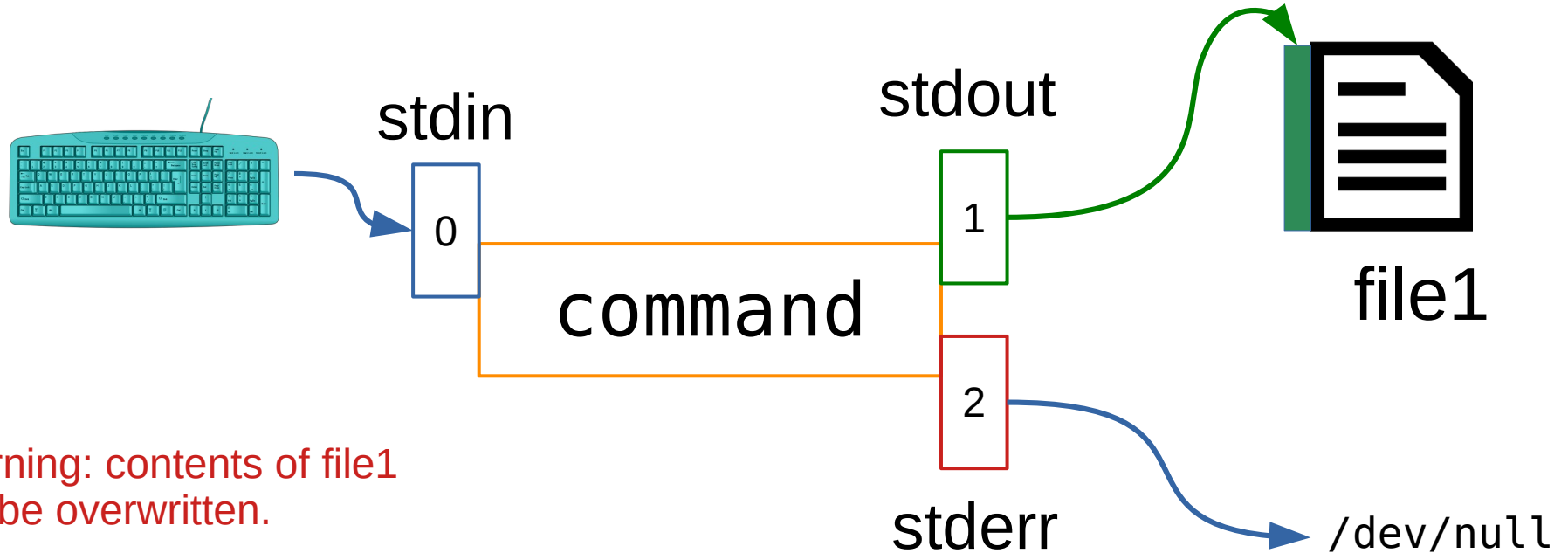


`/dev/null`

A sink for output to be discarded !

Use: silent and clean scripts

```
command > file1 2> /dev/null
```

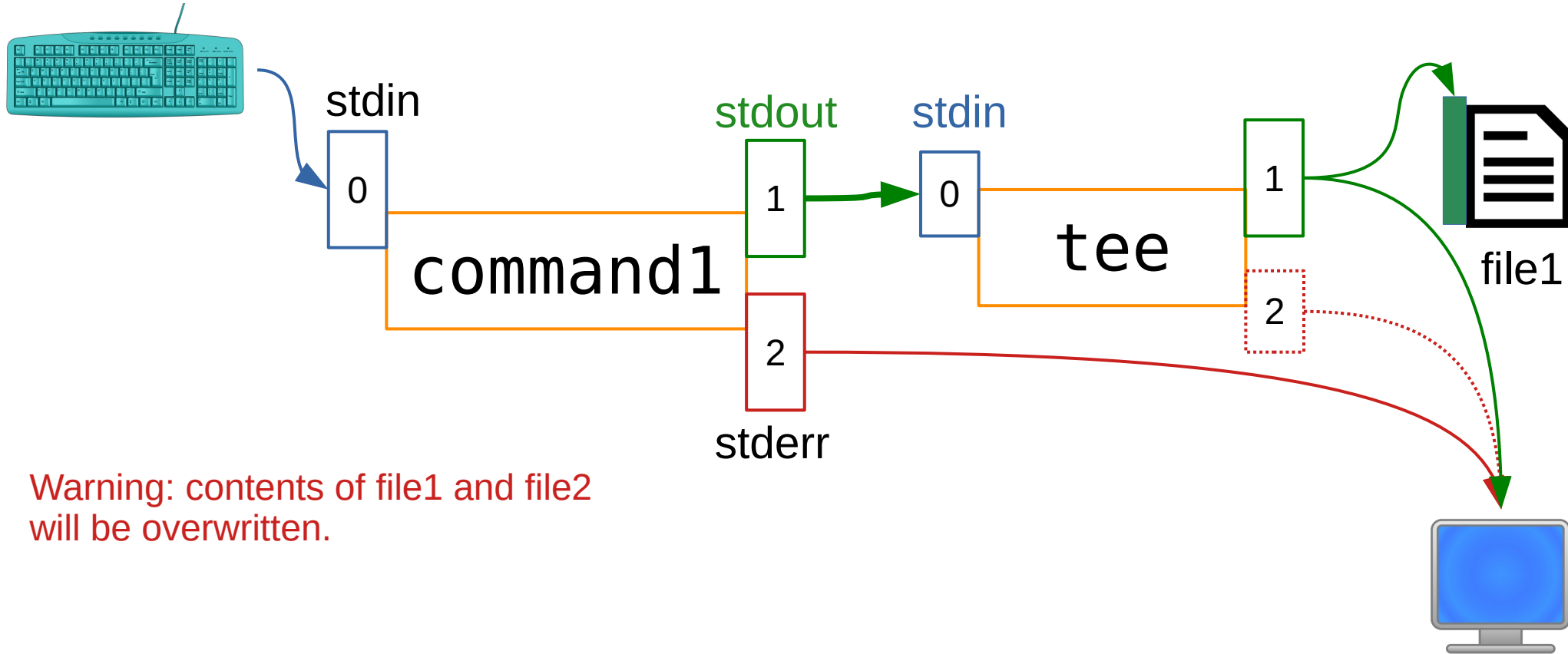


tee

A sink for output to be discarded !

Use: silent and clean scripts

```
command1 | tee file1
```



Images courtesy: wikipedia

...and so on ....