



EXERCISES — Mix files

version #f6de30ca5ee18fb9a30e5fbfc9eb9a1de8e13354



**The way is lit. The path is clear.
We require only the strength to follow it.**

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Contents

1	Goal	3
2	Examples	3

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File Tree

```
mix_files/  
└─ mix_files.sh  (to submit)
```

Authorized commands : You are only allowed to use the following commands

- builtins
- head(1)
- cat(1)
- tail(1)
- wc(1)

Reminder : Grant execution permission to your scripts before pushing them

1 Goal

In this exercise, you will have to create a script that will merge two files given as parameters. It must print on the standard output the result of the mixture of the two files. One line from each file will be written one after another.

On success, the script must return 0. If any error happen, you must return 1. Furthermore, if the number of parameters given to the script is different from 2, then the script must also print this error message: Usage: mix_files file1 file2. This message must be printed on the standard error output.

If one file is longer than the other, the remaining lines should still be printed.

2 Examples

```
42sh$ ls  
file1  
file2  
file3  
mix_files.sh  
42sh$ ./mix_files.sh; echo "$?"  
Usage: mix_files file1 file2  
1  
42sh$ ./mix_files.sh file1; echo "$?"  
Usage: mix_files file1 file2  
1  
42sh$ ./mix_files.sh file1 not_a_file1; echo "$?"  
1  
42sh$ cat file1  
a  
b  
c
```

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```
d
e
42sh$ cat file2
1
2
3
42sh$ ./mix_files.sh file1 file2
a
1
b
2
c
3
d
e
42sh$ echo "$?"
0
42sh$ ./mix_files.sh file2 file1
1
a
2
b
3
c
d
e
42sh$ cat file3
A
B

E
F
42sh$ ./mix_files.sh file2 file3
1
A
2
B
3

E
F
```

The way is lit. The path is clear. We require only the strength to follow it.