



EXERCISES — Fact Iter

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

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File Tree

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

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

- builtins

Reminder : Grant execution permission to your scripts before pushing them

1 Goal

You have to write a script taking only one number as argument and printing the factorial of this number on the standard output followed by a line break.

If you do not have exactly one argument, you have to exit 1. Otherwise, you will exit 0.

You do not have to handle the negative numbers.

2 Example

```
42sh$ ./fact_iter.sh  
42sh$ echo "$?"  
1  
42sh$ ./fact_iter.sh 1  
1  
42sh$ echo "$?"  
0  
42sh$ for i in $(seq 1 5); do ./fact_iter.sh "$i"; done  
1  
2  
6  
24  
120  
42sh$ echo "$?"  
0
```

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