



EXERCISES — Alphanum

version #f6de30ca5ee18fb9a30e5fbfc9eb9a1de8e13354



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

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File Tree

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

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

- builtins
- grep(1)

Reminder : Grant execution permission to your scripts before pushing them

1 Goal

Write a shell script that reads one or several strings on its standard input and prints what their nature is according to the following rules:

- no character or whitespaces (spaces and tabs): it is empty;
- only letters (a-zA-Z): it is a word;
- a single digit: it is a digit;
- only digits (at least two): it is a number;
- only digits and letters: it is an alphanum;
- anything else, it is too complicated.

In the last case, the script exits and returns 0. The script must read as long as it hasn't encountered a complicated string or an end-of-file. Please make sure your script is executable!

2 Example

```
42sh$ ./alphanum.sh  
ACU  
it is a word  
42  
it is a number  
  
it is empty  
2  
it is a digit  
J2  
it is an alphanum  
h4><0R  
it is too complicated  
42sh$ echo "$?"  
0
```

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