



# EXERCISES — Alphanum

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version #



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# 1 Alphanum

## Files to submit:

- alphanum/alphanum.sh

## Authorized commands:

- builtins
- grep(1)

### 1.1 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!

### 1.2 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
```

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