Exercises — Alphanum

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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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