

Run-length encoding

Write a Python program called `runlength.py` that will compress a given sequence of characters (like DNA) by noting each character followed by the number of times it occurs:

```
$ ./runlength.py AA
A2
```

When a character occurs once, print only the character:

```
$ ./runlength.py A
A
```

Your program will only be given sequences with no spaces, e.g.:

```
$ ./runlength.py ACCGGGTAAC
AC2G3TA2C
```

Given no arguments, it should print a short usage:

```
$ ./runlength.py
usage: runlength.py [-h] str
runlength.py: error: the following arguments are required: str
```

Or respond to `-h` and `--help` with a longer usage:

```
$ ./runlength.py -h
usage: runlength.py [-h] str

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positional arguments:
  str                A sequence of characters/bases

optional arguments:
  -h, --help        show this help message and exit
```

It should pass all the tests:

```
$ make test
pytest -xv test.py
===== test session starts =====
...
collected 6 items

test.py::test_exists PASSED [ 16%]
test.py::test_usage PASSED [ 33%]
test.py::test_01 PASSED [ 50%]
test.py::test_02 PASSED [ 66%]
test.py::test_03 PASSED [ 83%]
test.py::test_04 PASSED [100%]

===== 6 passed in 0.32s =====
```