Python implementation of head

In this exercise, we'll write a Python program to emulate the Unix head command. If you read man head, you will see that this program (probably) defaults to showing the first 10 lines of a given file:

```
NAME
head -- display first lines of a file

SYNOPSIS
head [-n count | -c bytes] [file ...]

DESCRIPTION
This filter displays the first count lines or bytes of each of the specified files, or of the standard input if no files are specified. If count is omitted it defaults to 10.

If more than a single file is specified, each file is preceded by a header consisting of the string `'==> XXX <=='' where `'XXX'' is the name of the file.

EXIT STATUS
The head utility exits 0 on success, and >0 if an error occurs.
```

The program should handle a *single* file provided as a positional argument:

```
$ ./head.py inputs/the-bustle.txt
The bustle in a house
The morning after death
Is solemnest of industries
Enacted upon earth,--
The sweeping up the heart,
And putting love away
We shall not want to use again
Until eternity.
```

The program should accept a -n or --num option for the number of lines to show (default 10):

```
$ ./head.py -n 5 inputs/sonnet-29.txt
Sonnet 29
William Shakespeare
When, in disgrace with fortune and menDs eyes,
I all alone beweep my outcast state,
```

The program should reject any argument that is not a readable file:

```
$ ./head.py blargh
usage: head.py [-h] [-n int] FILE
head.py: error: argument FILE: can't open 'blargh': \
[Errno 2] No such file or directory: 'blargh'
```

The program should reject a --num argument less than 1:

```
$ ./head.py -n 0 inputs/gettysburg.txt
usage: head.py [-h] [-n int] FILE
head.py: error: --num "0" must be greater than 0
```

Given no arguments, it should print a short usage:

```
$ ./head.py
usage: head.py [-h] [-n int] FILE
head.py: error: the following arguments are required: FILE
```

Or a longer usage for -h or --help:

The program should pass all tests:

```
$ make test
pytest -xv test.py
collected 8 items
test.py::test_exists PASSED
                                                 [ 12%]
test.py::test_usage PASSED
                                                 [ 25%]
test.py::test_bad_file PASSED
                                                 [ 37%]
                                                 [ 50%]
test.py::test_bad_num PASSED
test.py::test_default PASSED
                                                 [ 62%]
test.py::test_num_1 PASSED
                                                 [ 75%]
test.py::test_n_2 PASSED
                                                 [ 87%]
test.py::test_num_3 PASSED
                                                 [100%]
```