# cat__n.py

Create a Python program called `cat_n.py` that expects exactly one argument which is a regular file and prints usage statement if either condition fails. It should print each line of the file argument preceeded by the line number which is right-justified in spaces and a colon. You may the format '{:5}: {}' to make it look exactly like the output below, but the test is just checking for a leading space, some number(s), a colon, and the line of text.

# Expected Behavior

```
$ ./cat_n.py
Usage: cat_n.py FILE
$ ./cat_n.py foo
foo is not a file
$ ./cat_n.py files/issa.txt
    1: Selected Haiku by Issa
    2:
    3: Don't worry, spiders,
    4: I keep house
    5: casually.
    6:
    7: New Year's Day-
    8: everything is in blossom!
    9: I feel about average.
   10:
   11: The snow is melting
   12: and the village is flooded
   13: with children.
   14:
   15: Goes out,
   16: comes back-
   17: the love life of a cat.
   18:
   19: Mosquito at my ear-
   20: does he think
   21: I'm deaf?
   22:
   23: Under the evening moon
   24: the snail
   25: is stripped to the waist.
   26:
   27: Even with insects-
   28: some can sing,
```

```
29: some can't.
30:
31: All the time I pray to Buddha
32: I keep on
33: killing mosquitoes.
34:
35: Napped half the day;
36: no one
37: punished me!
```

## Test Suite

A passing test suite looks like the following:

```
$ make test
python3 -m pytest -v test.py
============================== test session starts ===============================
platform darwin -- Python 3.7.3, pytest-4.3.1, py-1.8.0, pluggy-0.9.0 -- /Users/kyclark/anac
cachedir: .pytest_cache
rootdir: /Users/kyclark/work/python/practical_python_for_data_science/ch05-python-strings-li
plugins: remotedata-0.3.1, openfiles-0.3.2, doctestplus-0.3.0, arraydiff-0.3
collected 3 items

test.py::test_usage PASSED                                              [ 33%]
test.py::test_bad_input PASSED                                          [ 66%]
test.py::test_runs PASSED                                              [100%]


============================= 3 passed in 0.21 seconds ===========================
```