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    cmdline.py
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    Jeff Ondich, 21 April 2009
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    Tianna Avery, November 2018, updated for Python 3
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    This program gives a brief illustration of the use of
    command-line arguments in Python. The program accepts
    a file name from the command line, opens the file, and
    counts the lines in the file.
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import sys
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# If the user types too few or too many command-line arguments,
# this code prints a usage statement and exits the program.
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```
# Note that sys.argv[0] is the name of the program, so if
# I type "python cmdline.py something", then sys.argv[0]
# is "cmdline.py" and sys.argv[1] is "something".
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```
if len(sys.argv) != 2:
    print('Usage:', sys.argv[0], 'filename')
    exit()
```

```
# You don't normally need to tell the users what they just
# typed, but the print statement here just verifies that
# we have grabbed the right string for the file name.
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```
file_name = sys.argv[1]
print('The requested file is', file_name)
open_file = open(file_name)
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```
# Count the lines in the file.
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line_counter = 0
for line in open_file:
    line_counter = line_counter + 1
```

```
# Report the results.
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```
print('The file {0} contains {1} lines.'.format(file_name,
line_counter))
```

```
# Clean up after yourself.
```

```
open_file.close()
```