

Command line arguments: parameters that are given to a program or script, so it is important to cope up with it. In OpenCV, images and different types of files are usually passed as parameters.

So to handle command line arguments, python uses **sys.argv**.

1. It sets all the parameters in the sys.argv.
2. First element of sys.argv[0] will be the path to the script or script name (it depends upon the OS)
3. From second element i.e sys.argv[1] it will be the list of parameters.

Argparse – command-line option

If our programs have very complicated parameters or multiple file names, we should use python library “argparse” as it handles in a more systematic way.

1. First program will determine what arguments it requires.
2. Then argparse will parse these into sys.arg
3. Also, argparse help and usage message, issues error when invalid arguments are provided.

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/*****/
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import argparse
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parser = argparse.ArgumentParser()
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```
parser.add_argument("first_argument", help="this is the string with the first argument")
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```
args = parser.parse_args()
```