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Command line arguments (sys.argv)

The sys module in Python is one of many available modules of library code.

What is sys.argv?

sys.argv is the list of commandline arguments passed to the Python program. argv represents all the items that come along via the command line input, it's basically an array holding the command line arguments of our program. Don't forget that the counting starts at zero (0) not one (1).

How do I use it?

To use it, you will first have to import it (import sys) The first argument, sys.argv[0], is always the name of the program as it was invoked, and sys.argv[1] is the first argument you pass to the program. It's common that you slice the list to access the actual command line argument:

```
import sys
program_name = sys.argv[0]
arguments = sys.argv[1:]
count = len(arguments)
```

This is an example on how to read the argument from the command line

```
import sys
for x in sys.argv:
    print "Argument: ", x
```

len(sys.argv) , checks how many arguments that have been entered.

len(sys.argv) != 2 just checks whether you entered at least two elements

```
import sys
if len (sys.argv) != 2 :
    print "Usage: python ex.py "
    sys.exit (1)
```

To run it, simple type:

```
>python ex.py
```

Argument: ex.py

```
>python ex.py hello
```

Argument: ex.py

Argument: hello

```
>python ex.py hello world
```

Argument: ex.py

Argument: hello

Argument: world

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there is typo in line 2 in the second paragraph, just trading for value you brought with this explanation

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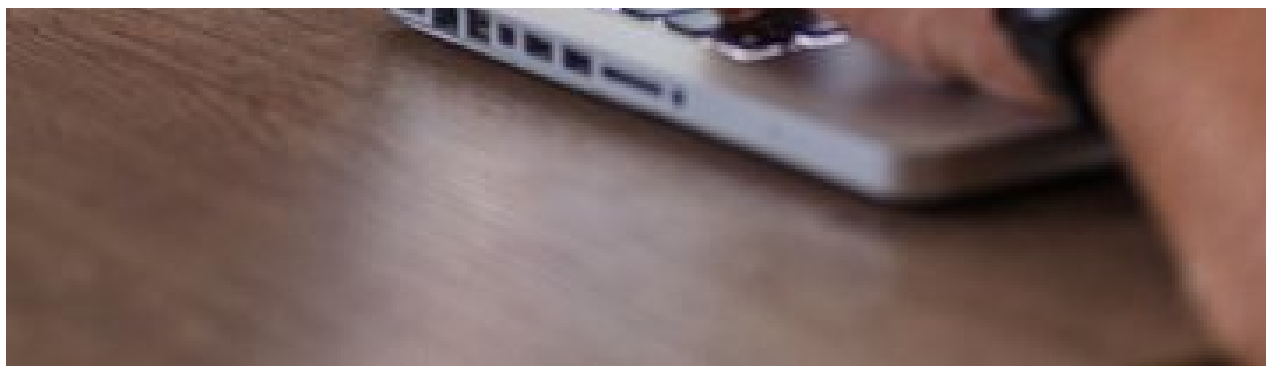


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