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# **switches Documentation**

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Switches provides a user-friendly way to create command line scripts using Python.



# USAGE

To designate a function as a possible command:

```
@command
def function():
    """This function does stuff"""
    pass
```

This will create a command accessible through:

```
$ python script.py function
```

Switches will create a command called `function`. It's docstring will be used to generate the help text associated with the command.

If `function` is defined with arguments, these will be added to the command as either positional or optional arguments, depending on whether or not the argument takes a default value:

```
@command
def function(positional, optional='default'):
    """This function does stuff"""
    pass
```

In this instance, Switches will create a command called `function` that has one positional argument and one optional argument. The optional argument, `optional`, can be given a value by adding `--optional 'value'` to the call to `function`. If no value is given, the default, `default` will be used:

```
$ python script.py function 'value1' --optional 'value2'
```

Once all of the commands have been defined, the rest is as simple as:

```
commandline('Description of the script')
```

This will tell Switches to process the command line and run the appropriate command. A description for the script can be passed to `commandline` to help users who call the script with just the `--help` option.