
Watson - Console

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Create console commands with ease.

Build Status

Installation

```
pip install watson-console
```

Testing

Watson can be tested with `pytest`. Simply activate your `virtualenv` and run `python setup.py test`.

Contributing

If you would like to contribute to Watson, please feel free to issue a pull request via Github with the associated tests for your code. Your name will be added to the AUTHORS file under contributors.

Table of Contents

5.1 Reference Library

5.1.1 `watson.console.colors`

`watson.console.colors.fail` (*string*, *terminate=True*)

Wraps a string in the terminal colors for fail.

Example:

```
fail('some text') # colored text in terminal
```

Parameters

- **string** (*string*) – The string to wrap
- **terminate** (*boolean*) – Whether or not to terminate the color

`watson.console.colors.header` (*string*, *terminate=True*)

Wraps a string in the terminal colors for headers.

Example:

```
header('some text') # colored text in terminal
```

Parameters

- **string** (*string*) – The string to wrap
- **terminate** (*boolean*) – Whether or not to terminate the color

`watson.console.colors.ok_blue` (*string*, *terminate=True*)

Wraps a string in the terminal colors for ok blue.

Example:

```
ok_blue('some text') # colored text in terminal
```

Parameters

- **string** (*string*) – The string to wrap
- **terminate** (*boolean*) – Whether or not to terminate the color

`watson.console.colors.ok_green` (*string*, *terminate=True*)

Wraps a string in the terminal colors for ok green.

Example:

```
ok_green('some text') # colored text in terminal
```

Parameters

- **string** (*string*) – The string to wrap
- **terminate** (*boolean*) – Whether or not to terminate the color

`watson.console.colors.warning` (*string*, *terminate=True*)

Wraps a string in the terminal colors for warning.

Example:

```
warning('some text') # colored text in terminal
```

Parameters

- **string** (*string*) – The string to wrap
- **terminate** (*boolean*) – Whether or not to terminate the color

5.1.2 watson.console.command

5.1.3 watson.console.runner

exception `watson.console.runner.ConsoleError`

An error that should be raised from within the command.

class `watson.console.runner.Runner` (*argv=None*, *commands=None*)

A command line runner that allows new commands to be added and run on demand.

Commands can be added either as a fully qualified name, or imported.

Example:

```
runner = Runner(commands=['module.commands.ACommand'])
runner()
```

__init__ (*argv=None*, *commands=None*)

add_command (*command*)

Convenience method to add new commands after the runner has been initialized.

Parameters **command** (*string|class*) – the command to add

add_commands (*commands*)

Convenience method to add multiple commands.

Parameters **commands** (*list|tuple*) – the commands to add

available_commands_usage

Returns the usage text for all commands.

This is used when no commands have been specified.

commands

A list of all commands added to the runner.

Returns OrderedDict containing all the commands.

execute()

Executes the specified command.

get_command(command_name)

Returns an initialized command from the attached commands.

get_command_usage(command)

Returns the usage string for an individual command.

name

Returns the name of the script that runner was executed from.

usage

Returns the usage text.

This is used when the -h or --help command is invoked.

5.1.4 watson.console.styles

`watson.console.styles.bold(string, terminate=True)`

Bolds text within the terminal.

Example:

Parameters

- **string** (*string*) – The string to wrap
- **terminate** (*boolean*) – Whether or not to terminate the styling

`watson.console.styles.format_style(string, start, end='\x1b[0m')`

Formats text for usage within the terminal.

Example:

Parameters

- **string** (*string*) – The string to wrap
- **terminate** (*boolean*) – Whether or not to terminate the styling

`watson.console.styles.underline(string, terminate=True)`

Underlines text within the terminal.

Example:

Parameters

- **string** (*string*) – The string to wrap
- **terminate** (*boolean*) – Whether or not to terminate the styling

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