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\*

# `actions`` #

Collection of custom argparse actions.

## Classes#

`NullCountAction`` | Information about how to convert command line strings to Python objects.

---|---

`ExtendConstAction`` | A derivative of `_AppendConstAction` and Python 3.8's `_ExtendAction`

`_class _NullCountAction(_option_strings_ , _dest_ , _default =None_, _required  
=False_, _help =None_)#`

Bases: ``argparse._CountAction``

Information about how to convert command line strings to Python objects.

Action objects are used by an ArgumentParser to represent the information needed to parse a single argument from one or more strings from the command line. The keyword arguments to the Action constructor are also all attributes of Action instances.

Keyword Arguments:

\* **which** (\_\- option\_strings -- A list\_ \_of\_ \_command-line option strings\_) -- should be associated with this action.

\* **object** (\_\- dest -- The name\_ \_of\_ \_the attribute to hold the created\_)

\* **be** (\_\- nargs -- The number\_ \_of\_ \_command-line arguments that should\_) --

consumed. By default, one argument will be consumed and a single value will be produced. Other values include:

> \* N (an integer) consumes N arguments (and produces a list)

>

> \* '?' consumes zero or one arguments

>

> \* '\*' consumes zero or more arguments (and produces a list)

>

> \* '+' consumes one or more arguments (and produces a list)

Note that the difference between the default and nargs=1 is that with the default, a single value will be produced, while with nargs=1, a list containing a single value will be produced.

\* \*\*the\*\* (\_\- metavar -- The name to be used for the option's argument with\_) -- option uses an action that takes no values.

\* \*\*specified.\*\* (\_\- default -- The value to be produced if the option is not\_)

\* \*\*and\*\* (\_\- type -- A callable that accepts a single string argument\_ \_\_,\_\_) -- returns the converted value. The standard Python types str, int, float, and complex are useful examples of such callables. If None, str is used.

\* \*\*None\*\*\*\*, (\_\- choices -- A container\_ \_\_of\_ \_\_values that should be allowed. If not\_) -- after a command-line argument has been converted to the appropriate type, an exception will be raised if it is not a member of this collection.

\* \*\*the\*\* \-- command line. This is only meaningful for optional command-line arguments.

\* \*\*argument.\*\* (\_\- help -- The help string describing the\_)

\* \*\*the\*\* \-- help string. If None, the 'dest' value will be used as the name.

\_static \_\_ensure\_value(\_namespace\_ , \_name\_ , \_value\_)#

```
__call__(self, _parser_, _namespace_, _values_, _option_string=None)#
```

```
class _ExtendConstAction(_option_strings_, _dest_, _const_, _default=None_,  
_type=None_, _choices=None_, _required=False_, _help=None_,  
_metavar=None_)#
```

Bases:

[`argparse.Action`](https://docs.python.org/3/library/argparse.html#argparse.Action

"\n(in Python v3.13)\n")

A derivative of `_AppendConstAction` and Python 3.8's `_ExtendAction`

```
__call__(self, _parser_, _namespace_, _values_, _option_string=None)#
```

\_\_On this page

\* Classes

\* ``NullCountAction``

\* ``NullCountAction._ensure_value()``

\* ``NullCountAction.__call__()``



\* ``ExtendConstAction``

\* ``ExtendConstAction.__call__()``

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