



## ***Linux Ubuntu 22.4.5 Manual Pages on command 'Sort::Key::Maker.3pm'***

***\$ man Sort::Key::Maker.3pm***

Sort::Key::Maker(3pm)    User Contributed Perl Documentation    Sort::Key::Maker(3pm)

### NAME

Sort::Key::Maker - multi-key sorter creator

### SYNOPSIS

```
# create a function that sorts strings by length:
use Sort::Key::Maker sort_by_length => sub { length $_}, qw(integer);

# create a multi-key sort function;
# first key is integer sorted in descending order,
# second key is a string in default (ascending) order:
use Sort::Key::Maker ri_s_keysort => qw(-integer string);

# some sample data...
my @foo = qw(foo bar t too tood mama);

# and now, use the sorter functions previously made:

# get the values on @foo sorted by length:
my @sorted = sort_by_length @foo;
```

```
# sort @foo inplace by its length and then by its value:
```

```
ri_s_keysort_inplace { length $_, $_ } @foo;
```

## DESCRIPTION

Sort::Key::Maker is a pragmatic module that provides an easy to use interface to

Sort::Key multi-key sorting functionality.

It creates multi-key sorting functions on the fly for any key type combination and exports them to the caller package.

The key types natively accepted are:

```
string, str, locale, loc, integer, int,
```

```
unsigned_integer, uint, number, num
```

and support for other types can be added via Sort::Key::Register (or also via Sort::Key::register\_type()).

## USAGE

```
use Sort::Key::Maker foo_sort => @keys;
```

exports two subroutines to the caller package: "foo\_sort (&@)" and

"foo\_sort\_inplace (&\@)".

Those two subroutines require a sub reference as their first argument and then respectively, the list to be sorted or an array.

For instance:

```
use Sort::Key::Maker bar_sort => qw(int int str);
```

```
@bar=qw(doo tomo 45s tio);
```

```
@sorted = bar_sort { unpack "CCs", $_ } @bar;
```

```
# or sorting @bar inplace
```

```
bar_sort_inplace { unpack "CCs", $_ } @bar;
```

```
use Sort::Key::Maker foo_sort => \&genmultikey, @keys;
```

when the first argument after the sorter name is a reference to a subroutine it is used as the multi-key extraction function. The generated sorter functions doesn't require neither accept one, i.e.:

```
use Sort::Key::Maker sort_by_length => sub { length $_ }, 'int';  
my @sorted = sort_by_length qw(foo goo h mama picasso);
```

## SEE ALSO

Sort::Key, Sort::Key::Register.

Sort::Maker also available from CPAN provides similar functionality.

## AUTHOR

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