

**NAME**

Sort::Key::Register – tell Sort::Key how to sort new data types.

**SYNOPSIS**

```
use Sort::Key::Register Person =>
    sub { $_->surname, $_->name },
    qw(string string);

use Sort::Key::Register 'Color::Component' => 'integer';

use Sort::Key::Register Color =>
    sub { $_->R, $_->G, $_->B },
    ('Color::Component') x 3;
```

**DESCRIPTION**

Sort::Key::Register allows one to register new data types with Sort::Key so that they can be sorted as natively supported ones.

It works as a pragma module and doesn't export any function, all its functionality is provided via use:

```
use Sort::Key::Register ...
```

To avoid collisions between modules registering types with the same name, you should qualify them with the package name.

```
use Sort::Key::Register 'MyPkg::foo' => sub { $_ }, '-int';

# or using __PACKAGE__:
use Sort::Key::Register __PACKAGE__, sub { $_ }, '-int';
```

**USAGE**

```
use Sort::Key::Register $name => \&multikeygen, @keytypes;
registers type $name.
```

&multikeygen is the multi-key extraction function for the type and @keytypes are the types of the extracted keys.

```
use Sort::Key::Register $name => $keytype;
this 'use' is useful for simple types that are sorted as another type already registered, maybe changing the direction of the sort (ascending or descending).
```

**SEE ALSO**

Sort::Key, Sort::Key::Maker.

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