

NAME

B::Asmdata - Autogenerated data about Perl ops, used to generate bytecode

SYNOPSIS

```
use B::Asmdata qw(%insn_data @insn_name @optype @specialsv_name);
```

DESCRIPTION

Provides information about Perl ops in order to generate bytecode via a bunch of exported variables. Its mostly used by B::Assembler and B::Disassembler.

%insn_data

```
my($bytecode_num, $put_sub, $get_meth) = @$insn_data{$op_name};
```

For a given \$op_name (for example, 'cop_label', 'sv_flags', etc...) you get an array ref containing the bytecode number of the op, a reference to the subroutine used to 'PUT', and the name of the method used to 'GET'.

@insn_name

```
my $op_name = $insn_name[$bytecode_num];
```

A simple mapping of the bytecode number to the name of the op. Suitable for using with %insn_data like so:

```
my $op_info = $insn_data{$insn_name[$bytecode_num]};
```

@optype

```
my $op_type = $optype[$op_type_num];
```

A simple mapping of the op type number to its type (like 'COP' or 'BINOP').

@specialsv_name

```
my $sv_name = $specialsv_name[$sv_index];
```

Certain SV types are considered 'special'. They're represented by B::SPECIAL and are referred to by a number from the specialsv_list. This array maps that number back to the name of the SV (like 'Nullsv' or '&PL_sv_undef').

AUTHOR

Malcolm Beattie, mbeattie@sable.ox.ac.uk