

NAME

CORE - Namespace for Perl's core routines

SYNOPSIS

```
BEGIN {
    *CORE::GLOBAL::hex = sub { 1; };
}

print hex("0x50"), "\n";    # prints 1
print CORE::hex("0x50"), "\n"; # prints 80
CORE::say "yes";           # prints yes

BEGIN { *shove = \&CORE::push; }
shove @array, 1,2,3;      # pushes on to @array
```

DESCRIPTION

The `CORE` namespace gives access to the original built-in functions of Perl. The `CORE` package is built into Perl, and therefore you do not need to use or require a hypothetical "CORE" module prior to accessing routines in this namespace.

A list of the built-in functions in Perl can be found in *perlfunc*.

For all Perl keywords, a `CORE::` prefix will force the built-in function to be used, even if it has been overridden or would normally require the *feature* pragma. Despite appearances, this has nothing to do with the `CORE` package, but is part of Perl's syntax.

For many Perl functions, the `CORE` package contains real subroutines. This feature is new in Perl 5.16. You can take references to these and make aliases. However, some can only be called as barewords; i.e., you cannot use ampersand syntax (`&foo`) or call them through references. See the `shove` example above. These subroutines exist for all keywords except the following:

`__DATA__`, `__END__`, `and`, `cmp`, `default`, `do`, `dump`, `else`, `elsif`, `eq`, `eval`, `for`, `foreach`, `format`, `ge`, `given`, `goto`, `grep`, `gt`, `if`, `last`, `le`, `local`, `lt`, `m`, `map`, `my`, `ne`, `next`, `no`, `or`, `our`, `package`, `print`, `printf`, `q`, `qq`, `qr`, `qw`, `qx`, `redo`, `require`, `return`, `s`, `say`, `sort`, `state`, `sub`, `tr`, `unless`, `until`, `use`, `when`, `while`, `x`, `xor`, `y`

Calling with ampersand syntax and through references does not work for the following functions, as they have special syntax that cannot always be translated into a simple list (e.g., `eof` vs `eof()`):

`chdir`, `chomp`, `chop`, `defined`, `delete`, `eof`, `exec`, `exists`, `lstat`, `split`, `stat`, `system`, `truncate`, `unlink`

OVERRIDING CORE FUNCTIONS

To override a Perl built-in routine with your own version, you need to import it at compile-time. This can be conveniently achieved with the `subs` pragma. This will affect only the package in which you've imported the said subroutine:

```
use subs 'chdir';
sub chdir { ... }
chdir $somewhere;
```

To override a built-in globally (that is, in all namespaces), you need to import your function into the `CORE::GLOBAL` pseudo-namespace at compile time:

```
BEGIN {
    *CORE::GLOBAL::hex = sub {
        # ... your code here
    };
}
```

```
    };  
}
```

The new routine will be called whenever a built-in function is called without a qualifying package:

```
print hex("0x50"), "\n"; # prints 1
```

In both cases, if you want access to the original, unaltered routine, use the `CORE::` prefix:

```
print CORE::hex("0x50"), "\n"; # prints 80
```

AUTHOR

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SEE ALSO

perlsub, *perlfunc*.