

Statement Alignment

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What is it?

Statement alignment is the practice of aligning code vertically to make the code easier to read and understand. Code blocks inside if, for, etc. statements are routinely indented to indicate structure. Vertically aligning chunks of code within a line can indicate more structure.

Example

OLD:

```
$firstname = "George";  
$lastname = "Bush";
```

Example

OLD:

```
$firstname = "George";  
$lastname = "Bush";
```

NEW:

```
$firstname = "George";  
$lastname  = "Bush";
```

Example

OLD:

```
$firstname{p} = 'George';  $lastname{p} = 'Bush';  
$firstname{vp} = 'Dick';  $lastname{vp} = 'Cheney';
```

Example

OLD:

```
$firstname{p} = 'George';   $lastname{p} = 'Bush';  
$firstname{vp} = 'Dick';   $lastname{vp} = 'Cheney';
```

NEW:

```
$firstname{p}   = 'George';   $lastname{p}   = 'Bush';  
$firstname{vp} = 'Dick';     $lastname{vp} = 'Cheney';
```

Example

OLD:

```
my $exit_value = $? >> 8;  
my $signal_num = $? & 0177;  
my $dumped_core = $? & 0200;
```

Example

OLD:

```
my $exit_value = $? >> 8;  
my $signal_num = $? & 0177;  
my $dumped_core = $? & 0200;
```

NEW:

```
my $exit_value = $CHILD_ERROR >> 8;  
my $dumped_core = $CHILD_ERROR & 0200;  
my $signal_num = $CHILD_ERROR & 0177;
```

Example

OLD:

```
if ($duid == $uid) {
    $perm &= ($mode & 0100) | ~0100;
}
elseif ($dgid == $gid) {
    $perm &= (($mode & 010) << 3) | ~0100;
}
else {
    $perm &= (($mode & 01) << 6) | ~0100;
}
```

Example

OLD:

```
if ($duid == $uid) {
    $perm &= ($mode & 0100) | ~0100;
}
elseif ($dgid == $gid) {
    $perm &= (($mode & 010) << 3) | ~0100;
}
else {
    $perm &= (($mode & 01) << 6) | ~0100;
}
```

NEW:

```
if ($duid == $uid) { $perm &= (($mode & 0100) | ~0100); }
elseif ($dgid == $gid) { $perm &= (($mode & 010) << 3) | ~0100; }
else { $perm &= (($mode & 01) << 6) | ~0100; }
```

Example

So,

#	CREDIT CARD	PREFIX	DIGIT GROUPS	LENGTH
# 1	American Express	34, 37	4 6 5	15
# 2	Diners Club	36, 38, 300--305	4 6 4	14
# 3	Discover	6011	4 4 4 4	16
# 4	Mastercard	51--55	4 4 4 4	16
# 5	Visa	4	4 4 4 4	16

```
$creg = qr/
```

```
    3[47]\d{2}          (|-\| \ ) \d{6} \1 \d{5}          # 1
| (3[68]\d|30[0-5])\d (|-\| \ ) \d{6} \3 \d{4}          # 2
| 6011                (|-\| \ ) \d{4} \4 \d{4} \4 \d{4}  # 3
| 5[1-5]\d{2}        (|-\| \ ) \d{4} \5 \d{4} \5 \d{4}  # 4
| 4\d{3}              (|-\| \ ) \d{4} \6 \d{4} \6 \d{4}  # 5
```

```
/x;
```

Vertical Space Separates

OLD:

apple

red or green

tastes pretty good

banana

green or yellow

tastes pretty good, less messy to eat than apples

Vertical Space Separates

OLD:

apple

red or green

tastes pretty good

banana

green or yellow

tastes pretty good, less messy to eat than apples

NEW:

apple

red or green

tastes pretty good

banana

green or yellow

tastes pretty good, less messy to eat than apples

p.s. precedence note

This code:

```
(0600 == 01600 & 0777 ) and print "first\n";  
(0600 == (01600 & 0777)) and print "second\n";
```

prints

p.s. precedence note

This code:

```
(0600 == 01600 & 0777 ) and print "first\n";  
(0600 == (01600 & 0777)) and print "second\n";
```

prints

second