

C++ Shorthand

C++ offers special shorthands that simplify the coding of a certain type of assignment statement. For example,

```
a = a + 10;
```

can be written as

```
a += 10;
```

The operator += tells the compiler to assign to a the value of a+10. This shorthand works for all the binary operations in C++ (those that require two operands). The general form of C++ shorthand is :

```
var = var operator expression ;
```

is same as

`var operator = expression ;`

Following are some examples of C++ shorthands :

`x -= 10 ;`

equivalent to `x = x - 10 ;`

`x *= 3 ;`

equivalent to `x = x * 3 ;`

`x /= 2 ;` equivalent to `x = x/2 ;`

`x %= 2 ;`

equivalent to `x = x % z ;`

