

# Operators (1A)

---

Copyright (c) 2015 Young W. Lim.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.2 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

Please send corrections (or suggestions) to [youngwlim@hotmail.com](mailto:youngwlim@hotmail.com).

This document was produced by using OpenOffice.

# A+B, A-B

## A

a1	a2	a3
b1	b2	b3
c1	c2	c3

## B

d1	d2	d3
e1	e2	e3
f1	f2	f3

## A+B

a1+d1	a2+d2	a3+d3
b1+e1	b2+e2	b3+e3
c1+f1	c2+f2	c3+f3

## A-B

a1-d1	a2-d2	a3-d3
b1-e1	b2-e2	b3-e3
c1-f1	c2-f2	c3-f3

# A.\*B, A./B

A

a1	a2	a3
b1	b2	b3
c1	c2	c3

B

d1	d2	d3
e1	e2	e3
f1	f2	f3

A.\*B

a1*d1	a2*d2	a3*d3
b1*e1	b2*e2	b3*e3
c1*f1	c2*f2	c3*f3

A./B

a1/d1	a2/d2	a3/d3
b1/e1	b2/e2	b3/e3
c1/f1	c2/f2	c3/f3

$A^*B$

A

a1	a2	a3
b1	b2	b3
c1	c2	c3

B

d1	e1	f1
d2	e2	f2
d3	e3	f3

$A^*B$

$a_1d_1+a_2d_2+a_3d_3$	$a_1e_1+a_2e_2+a_3e_3$	$a_1f_1+a_2f_2+a_3f_3$
$b_1d_1+b_2d_2+b_3d_3$	$b_1e_1+b_2e_2+b_3e_3$	$b_1f_1+b_2f_2+b_3f_3$
$c_1d_1+c_2d_2+c_3d_3$	$c_1e_1+c_2e_2+c_3e_3$	$c_1f_1+c_2f_2+c_3f_3$

$A^*B$

A

a
b
c

B

d	e	f
---	---	---

$A^*B$

<u>a</u> d	a <u>e</u>	<u>a</u> f
<u>b</u> d	<u>b</u> e	<u>b</u> f
<u>c</u> d	<u>c</u> e	<u>c</u> f

$A \wedge B$ ,  $A \wedge X$

A

a1	a2	a3
b1	b2	b3
c1	c2	c3

B

d1	d2	d3
e1	e2	e3
f1	f2	f3

$A \wedge B$

a1^d1	a2^d2	a3^d3
b1^e1	b2^e2	b3^e3
c1^f1	c2^f2	c3^f3

$A \wedge X$

a1^x	a2^x	a3^x
b1^x	b2^x	b3^x
c1^x	c2^x	c3^x

$x.^B, A.^x$

A

a1	a2	a3
b1	b2	b3
c1	c2	c3

B

d1	d2	d3
e1	e2	e3
f1	f2	f3

$x.^B$

$x^d1$	$x^d2$	$x^d3$
$x^{e1}$	$x^{e2}$	$x^{e3}$
$x^{f1}$	$x^{f2}$	$x^{f3}$

$A.^x$

$a1^x$	$a2^x$	$a3^x$
$b1^x$	$b2^x$	$b3^x$
$c1^x$	$c2^x$	$c3^x$

$A^x, A.x$

$A$

a1	a2	a3
b1	b2	b3
c1	c2	c3

$A^x$

$x$

a1	a2	a3
b1	b2	b3
c1	c2	c3

$A.x$

$a1^x$	$a2^x$	$a3^x$
$b1^x$	$b2^x$	$b3^x$
$c1^x$	$c2^x$	$c3^x$

# $A \circ B$ , ( $\circ$ : Relational & Logical Operators)

A

a1	a2	a3
b1	b2	b3
c1	c2	c3

B

d1	d2	d3
e1	e2	e3
f1	f2	f3

A  $\circ$  B

a1 $\circ$ d1	a2 $\circ$ d2	a3 $\circ$ d3
b1 $\circ$ e1	b2 $\circ$ e2	b3 $\circ$ e3
c1 $\circ$ f1	c2 $\circ$ f2	c3 $\circ$ f3

A  $\circ X$

a1 $\circ X$	a2 $\circ X$	a3 $\circ X$
b1 $\circ X$	b2 $\circ X$	b3 $\circ X$
c1 $\circ X$	c2 $\circ X$	c3 $\circ X$

## References

- [1] Essential C, Nick Parlante
- [2] Efficient C Programming, Mark A. Weiss
- [3] C A Reference Manual, Samuel P. Harbison & Guy L. Steele Jr.
- [4] C Language Express, I. K. Chun