

Complicated Declaration

Pointer declaration	Description
<code>int *x</code>	x is a pointer to int data type.
<code>int *x[10]</code>	x is an array[10] of pointer to int data type.
<code>int *(x[10])</code>	x is an array[10] of pointer to int data type.
<code>int **x</code>	x is a pointer to a pointer to an int data type – double pointers.
<code>int (*x)[10]</code>	x is a pointer to an array[10] of int data type.
<code>int *funct()</code>	funct is a function returning an integer pointer.
<code>int (*funct)()</code>	funct is a pointer to a function returning int data type – quite familiar constructs.
<code>int ((*funct())[10])()</code>	funct is a function returning pointer to an array[10] of pointers to functions returning int.
<code>int ((*x[4])())[5]</code>	x is an array[4] of pointers to functions returning pointers to array[5] of int.

Source : <http://www.tenouk.com/Module8b.html>

Practice more programs using the above.