

Name:

Class work for Lecture 4/21/2017

Objective: Understand C pointer declarations better

Match the declaration on the left with the appropriate interpretation on the left

| | |
|---------------------------------|----------------------|
| <code>int *p</code> | <input type="text"/> |
| <code>int *p[13]</code> | <input type="text"/> |
| <code>int *(p[13])</code> | <input type="text"/> |
| <code>int **p</code> | <input type="text"/> |
| <code>int (*p)[13]</code> | <input type="text"/> |
| <code>int *f()</code> | <input type="text"/> |
| <code>int (*f)()</code> | <input type="text"/> |
| <code>int (*(f())[13])()</code> | <input type="text"/> |
| <code>int (*(x[3])())[5]</code> | <input type="text"/> |

- A x is an array[3] of pointers to functions returning pointers to array[5] of ints
- B p is a pointer to an array[13] of int
- C f is a function returning ptr to an array[13] of pointers to functions returning int
- D p is a pointer to a pointer to an int
- E p is an array[13] of pointer to int
- F f is a pointer to a function returning int
- G p is a pointer to int
- H p is an array[13] of pointer to int
- I f is a function returning a pointer to int