

LAB 5 - Pointers and Structs

1. What is the difference between the following two declarations

2 pts

```
int *p[10];    // An array of 10 integer pointers.
int (*p)[10]; // A pointer to the entire array.
```

2. Please explain the following two declarations.

3 pts

```
// A function pointer that takes a char array pointer and returns an integer.
int (*p)(char(*a)[]);
// A function that takes a char array pointer and returns an integer pointer.
int *p(char(*a)[]);
```

3. Take a look at the following code snippet

2 pts

```
Name = Alfred Morino
SSN = 496-50-2260
Age = 50
Height(cm) = 170.5
Weight(kg) = 70.5
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