

QUIZ

The following code increments the pointer by one.

```
int* ptr;  
ptr ++;
```



You got it!

What is the output of the following code?

```
int arr[] = {3,8,6,2,0,4};  
int* p = &arr[0];  
p++;  
p++;  
printf("%i", *p);
```

6



Correct! The pointer has been incremented twice!

Which of the following is the reference operator?

//

++

*

&



Correct!

Are these two statements equivalent?

```
int* p;  
int *p;
```

Yes



Correct!

No

Complete the following code that declares a pointer to a variable of type `double`.

```
double* ptr = &var;
```



You got it!

Which of the following is responsible for allocating a block of RAM for a running program to use?

The operating system



Correct!

The computer's firmware

The system BIOS

The programmer

The following code should output 727 to the screen. Fill in the blanks.

```
int num = 256;  
int * ptr = &num;  
* ptr = 727;  
printf("%i", num);
```



You got it!

The following code decrements a pointer by one.

```
double* ptr;  
ptr -- ;
```



You got it!

Fill in the blank: "In C, the address of a variable is stored in _____."

an array

a pointer



Correct!

a struct

a reference

Which number system is used to represent a memory address?

Octal

Decimal

Hexadecimal



Correct!

Binary

What is the output of the following code?

```
double pi = 3.14;  
double* piPtr = *pi;  
*piPtr = 2.71;  
printf("%f", pi);
```

"pi"

An error



Correct! The wrong operator is used to obtain the memory address of variable `pi`.