

Quiz 7

Due Nov 9 at 4:50pm**Points** 20**Questions** 9**Available** Nov 9 at 3pm - Nov 9 at 4:50pm about 2 hours**Time Limit** 15 Minutes

Instructions

Please answer the following questions. There is a 15 minute time limit. This quiz covers Chapter 7

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	9 minutes	20 out of 20

Score for this quiz: **20** out of 20

Submitted Nov 9 at 3:51pm

This attempt took 9 minutes.

Question 1

2 / 2 pts

What value is printed?

```
int array[] = {2, 4, 6, 8, 10};  
printf("%d\n", array[3]);
```

☐ 4☐ 6☐ 10☒ 8**Correct!**

Question 2**2 / 2 pts**

When passing an array of 10 elements of an array called data to a function, the formal parameter declaration looks like:

Correct!☒ all of these☐ *data☐ data[]☐ data[10]**Question 3****2 / 2 pts**

How many numbers can be stored in the array declared below?

```
double arr[10][5][6];
```

☐ 21☐ 90☒ 300☐ 180**Correct!****Question 4****2 / 2 pts**

For this question assume the following environment.

```
#define MAX 50  
int a[MAX], i, j, temp;
```

What is the minimum valid subscript value for array a?

Correct!

- ☒ 0
- ☐ 1
- ☐ any negative number
- ☐ there is no minimum

Question 5

2 / 2 pts

For this question assume the following environment.

```
#define MAX 50  
int a[MAX], i, j, temp;
```

What is the maximum valid subscript value for array a?

- ☐ a[50]
- ☐ 50
- ☐ 0
- ☒ 49

Correct!

Question 6**2 / 2 pts**

What is printed?

```
int array[] = {2, 4, 6, 8, 10};  
int x = array[4] - array[1];  
printf("%d\n", x;
```

☐ 8☐ 2☐ 4☒ 6**Correct!****Question 7****2 / 2 pts**

When a C program passes an array as a function argument,

☐ the value of the initial element of the array is actually passed.☐ the addresses of the initial and final elements of the array are copied into the function's data area.☒ the address of the initial element of the array is actually passed.☐ the entire array is copied into the function's data area.**Correct!****Question 8****3 / 3 pts**

For this question assume the following environment.

```
#define MAX 50  
int a[MAX], i, j, temp;
```

What is the effect of this program segment?

```
for (i = 0; i < MAX / 2; ++i) {  
    temp = a[i];  
    a[i] = a[MAX - i - 1];  
    a[MAX - i - 1] = temp;  
}
```

- ☐ Counts the number of elements of a greater than its first element.
- ☐ Arranges the elements of array a in ascending order.
- ☒ Reverses the numbers stored in the array.
- ☐ Puts the largest value in the last array position.

Correct!

Question 9

3 / 3 pts

For this question assume the following environment.

```
#define MAX 50  
int a[MAX], i, j, temp;
```

What is the effect of the following program segment?

```
for (i = 0; i < MAX - 1; ++i)  
    if (a[i] > a[i + 1]) {  
        temp = a[i];  
        a[i] = a[i + 1];  
        a[i + 1] = temp;  
    }
```

Correct!

- ☐ Arranges the elements of array a in ascending order.
- ☒ Puts the largest value in the last array position.
- ☐ Reverses the numbers stored in the array.
- ☐ Counts the number of elements of a greater than its first element.

Quiz Score: **20** out of 20