

Take the Quiz Again

Attempt History

|        | Attempt                   | Time       | Score        |
|--------|---------------------------|------------|--------------|
| KEPT   | <a href="#">Attempt 3</a> | 9 minutes  | 10 out of 10 |
| LATEST | <a href="#">Attempt 3</a> | 9 minutes  | 10 out of 10 |
|        | <a href="#">Attempt 2</a> | 14 minutes | 9 out of 10  |
|        | <a href="#">Attempt 1</a> | 9 minutes  | 10 out of 10 |

Correct answers are hidden.

Submitted Jul 21 at 4:04pm



Question 1

1 / 1 pts

Which array definition is initialized to all zeros?

```
int SIZE = 3;
int a1[SIZE];
int a2[3];
int a3[3]{};
int a4[] = {1, 2, 3};
int a5[3] = {1, 2};
```

- ☐ a5
- ☒ a3
- ☐ a2
- ☐ a1
- ☐ None of these

Question 2

1 / 1 pts

Which line throws and out\_of\_range exception?

```
double speed[5] = {. . .};
```

- ☐ cout << speed[4] << endl;
- ☒ None of these
- ☐ cout << speed[0] << endl;
- ☐ cout << speed[1] << endl;
- ☐ cout << speed[5] << endl;

Question 3

1 / 1 pts

Which expression returns the number of countries?

```
string countries[] = {"Andorra", "Albania", . . . };
```

- ☒ None of these
- ☐ len(countries)
- ☐ sizeof(countries) \* sizeof(countries[0])
- ☐ sizeof(countries)
- ☐ countries.length

Question 4

1 / 1 pts

Which line has *undefined* output?

```
double speed[5] = {. . .};
```

- ☒ cout << speed[5] << endl;
- ☐ cout << speed[4] << endl;
- ☐ cout << speed[1] << endl;

☐ cout << speed[0] << endl;

☐ None of these

Question 50.5 / 0.5 pts

The elements of a C++ array created in a function are allocated on the stack.

☒ True

☐ False

Question 60.5 / 0.5 pts

The allocated size of a built-in C++ array cannot be changed during runtime.

☒ True

☐ False

Question 70.5 / 0.5 pts

C++ arrays produce undefined results if you access an element outside the array.

☒ True

☐ False

Question 80.5 / 0.5 pts

Explicitly initializing an array like this: `int a[] = {1, 2, 3};` only works in C++ 11.

☐ True

☒ False

Question 91 / 1 pts

Which returns the last pixel on the first row of this image?

```
Pixel *p;    // address of pixel data
int w, h;    // width and height of image
```

☐ \*p + w - 1

☒ \*(p + w - 1)

☐ p + w - 1

☐ \*(p + w) - 1

☐ None of these are correct

Question 101 / 1 pts

What is the equivalent **array notation**?

```
int dates[10];
cout << *(dates + 2) << endl;
```

☐ dates[0] + 2

☐ dates[2] + 2

☐ &dates[2]

☐ dates[0] + 4

☒ dates[2]

Question 111 / 1 pts

What is the equivalent **array notation**?



```
int dates[10];
cout << (dates + 2) << endl;
```

- ☐ dates[0] + 4
- ☒ &dates[2]
- ☐ dates[2] + 2
- ☐ dates[0] + 2
- ☐ dates[2]

Question 12

1 / 1 pts

What is the address of the first pixel in the last row of this image?

```
Pixel *p;    // address of pixel data
int w, h;    // width and height of image
```

- ☐ p + w + h
- ☐ p + w \* h
- ☒ p + w \* (h - 1)
- ☐ None of these are correct
- ☐ p + w + (h - 1)

