

# Quiz 06

**Due** May 22 at 11:59pm      **Points** 8      **Questions** 8  
**Available** until May 22 at 11:59pm      **Time Limit** None

## Instructions

Answer the following questions.

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	15 minutes	8 out of 8

Score for this quiz: **8** out of 8  
Submitted May 22 at 5:34pm  
This attempt took 15 minutes.

### Question 1

1 / 1 pts

Consider the following definition of an **int** array:

```
int x[5];
```

Which one of the following is erroneous?

Correct!

☒ `x[5] = x[1];`

`x[5]` is out of bound.

☐ `x[2+2] = 6;`☐ `int y = x[2];`☐ `x[0] = x[6-3];`**Question 2****1 / 1 pts**

The int array **x** is initialized as follows:

**int x[5] = {3,7,2,9,1};**

How can you traverse all element of **x**?

☐ `for(int i = 1; i<=5; i++) {...}`☒ `for (int i = 0; i < 5; i++) {...}`☐ `for(int i = 0; i <= 5; i++) {...}`☐ `for(int i = 1; i < 5; i++) {...}`**Correct!****Question 3****1 / 1 pts**

The **int** array **x** is initialized as follows:

**int x[5] = {3,7,2,9,1};**

Which one of the following reverses the order of elements in **x**?

☐

```
for (i = 0; i < 5; ++i) {  
    x[i] = x[4 - i];  
}
```

Correct!

☒

```
for (i = 0; i < 2; ++i) {  
    int y = x[i];  
    x[i] = x[4 - i];  
    x[4 - i] = y;  
}
```

☐

```
for (i = 0; i < 5; ++i) {  
    x[i] = x[4 - i];  
}
```

#### Question 4

1 / 1 pts

Consider vector **x** defined as below.

**vector<int> x(5);**

How can you traverse all elements of **x**?

☐

```
for(i = 0; i < x.length; i++) {...}
```

☐

```
for(i = 0; i < x.size; i++) {...}
```

**Correct!**

- ☒ `for(i = 0; i < x.size(); i++) {...}`
- ☐ `for(i = 0; i < x.length(); i++) {...}`

**Question 5****1 / 1 pts**

Consider vector **x** defined as below.

**vector<int> x(5);**

How can you access the last element of **x**?

- ☐ `x.at(5)`
- ☐ `x.at(x.size())`
- ☐ `x(size())`

**Correct!**

- ☒ `x.at(4)`

**Question 6****1 / 1 pts**

`resize()` is used to make the size of the vectors larger at runtime, but not smaller.

- ☐ True

**Correct!**☒ False

It can be used to make it smaller too.

**Question 7****1 / 1 pts**

Match the function name with what it does.

**Correct!**

**Inserting items into a vector.**

**Correct!**

**Removing items from a vector.**

**Correct!**

**Reading the last item in a vector.**

**Question 8****1 / 1 pts**

Which one of the following reverses the order of integers in vector **x**?

```
for (i = 0; i < x.size(); ++i) {  
    int y = x.at(i);  
    x.at(i) = x.at(x.size() - 1 - i);  
    x.at(x.size() - 1 - i) = y;
```

☐ }

```
for (i = 0; i < x.size(); ++i) {  
  
    x.at(i) = x.at(x.size() - 1 - i);
```

☐ }

**Correct!**

```
for (i = 0; i < (x.size() / 2); ++i) {  
    int y = x.at(i);  
    x.at(i) = x.at(x.size() - 1 - i);  
    x.at(x.size() - 1 - i) = y;
```

☒ }

Quiz Score: **8** out of 8