Due No due date Points 15 Questions 17 Time Limit 30 Minutes Allowed Attempts Unlimited

Take the Quiz Again

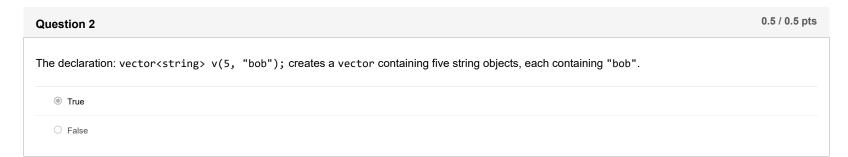
Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	18 minutes	14.67 out of 15
LATEST	Attempt 2	18 minutes	14.67 out of 15
	Attempt 1	22 minutes	10.33 out of 15

① Correct answers are hidden.

Submitted Jul 20 at 8:21pm

Question 1	0.5 / 0.5 pts
In the declaration: vector <int> v; the word int represents the object's base type.</int>	
True	
○ False	



The following code is logically correct. What is the semantically correct prototype for mystery()?

vector<double> v;
mystery(v);

ouid mystery(vector&);

void mystery(vector<int>);

void mystery(vector<int>&);

Either mystery(const vector<int>&); or mystery(vector<int>&); could be correct.

Question 4

What is the size of data, after this runs?

vector<int> data;
data.push_back(3);

3

0

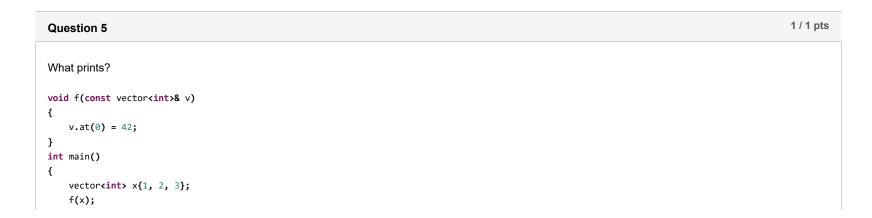
4

2

None of these

1

1/1 pts





Question 6	1 / 1 pts
Assume vector <double> speed(5); Which line throws a <i>runtime error</i>?</double>	
<pre>O speed.front() = 12;</pre>	
<pre>Speed[0] = speed.back()</pre>	
<pre> speed.erase(speed.begin());</pre>	
<pre> cout << speed.at(speed.size());</pre>	
O None of these	

Question 7	1 / 1 pts
What is stored in data after this runs?	
<pre>vector<int> data{1, 2, 3}; data.front();</int></pre>	
O [1, 2, 3, 0]	
O [2, 3]	
○ []	
O [1, 2]	
[0] [1, 2, 3]	
O None of these	

```
      Question 8

      What is stored in data after this runs?

      vector<int> data{1, 2, 3};

      data.pop_back();

      O None of these

      O [1, 2, 3, 0]

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Question 9

Which of these are true?
int main()
{
    vector<int> v{1, 2, 3};
    for (size_t i = v.size() - 1; i >= 0; i--)
        cout << v.at(i) << " ";
    cout << endl;
}

    Crashes when run
    endless loop (may crash, but not necessarily)
    Compiler error (does not compile)

Issues a compiler warning, but no error</pre>
```



Partial

```
Which of these are true?

int main()
{
    vector<int> v{1, 2, 3};
    for (auto i = v.size() - 1; i >= 0; i--)
        cout << v.at(i) << " ";
    cout << endl;
}

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Assuming the following variable definition, which statement creates an object which refers to a position immediately following the last element in v and which allows you to change the elements in v?

vector<double> v{1.2, 2.3, 3.4};

auto c = cbegin(v);

auto b = end(v);

auto a = begin(v);

auto d = cend(v);

None of these

Assuming the following variable definition, which statement creates an object which refers to a position immediately following the last element in v and which prohibits you from changing v?

vector<double> v{1.2, 2.3, 3.4};

auto a = begin(v);

auto c = cbegin(v);

auto b = end(v);

None of these

Assuming the following variable definition, which statement creates an object which refers to a position immediately following the last element in v and which prohibits you from changing v?

vector<double> v{1.2, 2.3, 3.4};

auto c = cbegin(v);

auto d = cend(v);

auto b = end(v);

None of these

Question 14 1/1 pts

Assume that you have an iterator named iter which refers to an element in the vector named v. Which moves the iterator so that it refers to the **next** element in the vector?

○ *iter;	
O None of these	
O iter++;	
<pre>0 ++iter;</pre>	
O iter.next();	

Question 15	1 / 1 pts
What is stored in data after this runs?	
<pre>vector<int> data{1, 2, 3}; data.erase(v.begin());</int></pre>	
O [1, 2]	
O None of these	
[2, 3]	
○ []	
0 [1, 2, 3]	
○ [1, 2, 3, 0]	

Question 16	0.5 / 0.5 pts
Assume the vector v contains [1, 2, 3]. v.erase(0); changes v to [2, 3].	
O True	
False	

Question 17	0.5 / 0.5 pts
The statement v.insert(v.begin(), 3) inserts the element 3 into the vector v, overwriting the exiting element at index 0.	
○ True	
False	

