Quiz 2 (Spring 2025)

- Due Feb 20 at 5:30pm
- ▸ Points 20
- Questions 10
- Available Feb 20 at 5:30pm - Feb 21 at 12:16am 6 hours and 46 minutes
- Time Limit 20 Minutes

Instructions

By taking this quiz, you confirm you are in the classroom unless you have specific permission to take it remotely.

You are expected to take this quiz with no outside help, no internet resources. It is closed book, closed notes, closed Discord, etc. Once you start this quiz, keep your computer focused on this quiz. Do not open any other windows while taking the quiz.

Good Luck.

This quiz was locked Feb 21 at 12:16am.

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	6 minutes	10 out of 20

Score for this quiz: 10 out of 20

Submitted Feb 20 at 5:57pm

This attempt took 6 minutes.

⋮⋮

Question 1

0 / 2 pts

How do you access the front element of a vector called vec in C++?

You Answered

⦿ vec[0]

○ vec.at(0)

○ vec.front( )

Correct Answer

○ All answers are correct

⋮⋮

Question 2

0 / 2 pts

Consider the following program. how many numbers are printed to the output screen?

```cpp
#include <iostream>
#include <vector>
using namespace std;

int main()
{
  vector<int> v;
  for (int i=0; i<10; i++)
      v.push_back(i * 5);


    while (v.size() > 0)
    {
      cout << v.back()<<endl;
    }

  return 0;
}
```

You Answered

◉ it will not compile

Correct Answer

◯ more than 10

◯ 0

◯ 10

⋮⋮

Question 3

2 / 2 pts

Which function is used to add an element at the end of a vector?

◯ insert( )

◯ add_element( )

◯ append( )

Correct!

◉ push_back( )

⋮⋮

Question 4

2 / 2 pts

Using linux commands, how would I find out more about the wc command?

○ list wc

○ help wc

Correct!

◉ man wc

○ more wc

⋮⋮

Question 5

2 / 2 pts

What is the function of vec.size( ) in C++?

○ Returns the element at the specified index

○ Returns the capacity of the vector

Correct!

◉ Returns the number of elements in the vector

○ The correct answer is not listed

⋮⋮

Question 6

0 / 2 pts

What is printed to the screen when this program is run:

```cpp
#include <iostream>
using namespace std;

void toss( )
{
    cout << "hello-";
    throw 42;
}
int main()
{
    try { toss(); }
    catch ( const char * s)
        { cout << "world-"; }

    cout << "awesome-";
    return 0;
}
```

○ hello-world-awesome-

○ world-awesome-

Correct Answer

○ hello-

You Answered

◉ hello-awesome-

⋮⋮

Question 7

0 / 2 pts

What is printed to the screen when this program is run:

```cpp
#include <iostream>
using namespace std;

void toss( )
{
    throw 42;
    cout << "hello-";
}

int main()
{
    try { toss(); }
    catch (...)
        { cout << "world-"; }

    cout << "awesome-";
    return 0;
}
```

○ hello-world-

○ awesome-

Correct Answer

○ world-awesome-

You Answered

◉ hello-awesome-

⋮⋮

Question 8

2 / 2 pts

When you create and use classes in C++ , the classes must be separated into header file and implementation file.

○ True

Correct!

◉ False

⠿

Question 9

2 / 2 pts

Which of the following is true about vectors?

Correct!

◉ vectors can dynamically resize

◯ the size of a vector must be declared when it is created

◯ vectors cannot be resized

◯ you can find the capacity of a vector by using the size( ) function

⠿

Question 10

0 / 2 pts

Consider the following code: what is the output?

```cpp
#include <iostream>
using namespace std;

int main()
{
    vector<int> v;
    int i = 1;
    while (i <= 10)
        v.push_back(i++);
    cout << v.size();
}
```

Correct Answer

◯ The correct answer is not listed

◯ 11

◯ 0

You Answered

◉ 10

Quiz Score: 10 out of 20