Due No due date Points 25 Questions 25 Time Limit 30 Minutes Allowed Attempts Unlimited

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Attempt History

	Attempt	Time	Score
KEPT	Attempt 12	16 minutes	24 out of 25
LATEST	Attempt 14	30 minutes	23 out of 25
	Attempt 13	24 minutes	22 out of 25
	Attempt 12	16 minutes	24 out of 25
	Attempt 11	17 minutes	19 out of 25
	Attempt 10	17 minutes	22 out of 25
	Attempt 9	20 minutes	20 out of 25
	Attempt 8	21 minutes	20 out of 25
	Attempt 7	25 minutes	21.5 out of 25
	Attempt 6	25 minutes	21 out of 25
	Attempt 5	30 minutes	17 out of 25
	Attempt 4	21 minutes	23 out of 25
	Attempt 3	26 minutes	19.89 out of 25
	Attempt 2	30 minutes	22.5 out of 25
	Attempt 1	27 minutes	21 out of 25

① Correct answers are hidden.

Submitted Jul 13 at 7:10am

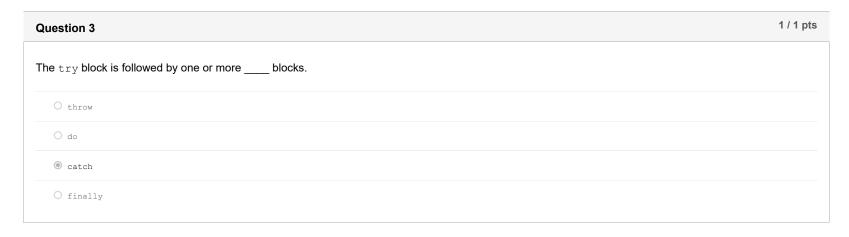
```
Question 1

To use strings as a data stream source or sink, use the <sstream> header

True

False
```

0 / 1 pts Incorrect Question 2 What is true about this piece of code? template <typename T, typename U>
T pickle(T& a, const U& b) { a += b; return b; } int main() int x = 42; auto a = pickle(x, 4.5);cout << a << endl; cout << x << endl;</pre> In main, a prints 4.5 In main, x prints 46 ☐ In main, x prints 46.5 ☐ In main, a prints 4 ☐ This code has a syntax error.



Question 4	1 / 1 pts
A catch block is a block of code where runtime or logical errors may occur.	
O True	
False	
Question 5	1 / 1 pt
The class is designed to deal with illegal arguments used in a function call.	
O bad_argument	
O invalid_call	
O illegal_argument	
<pre> invalid_argument </pre>	
Question 6	1 / 1 pt
The logic_error and runtime_error classes are defined in the header file	
O exception	
O stdex	
O stdlib	
Question 7	0 / 1 p
What happens with the following section of code?	
<pre>if (_APPLE) cout << "Running on a Mac" << endl; else if (_WIN32)</pre>	
<pre>cout << "Running on Windows" << endl; else if (linux) cout << "Running on Linux" << endl;</pre>	
else cout << "Running on an unknown platform" << endl;	
The program will not compile	
All lines will be included in the program. It will print the platform you are running on.	
Only the lines that identify your platform will be included in the executable	
The program will crash if compiled on one platform, but run on another.	
Question 8	1/1 p
The statement #if abs(-3) > 2 is legal.	
O True	
False	
Question 9	1/1p
Question 3	.,,,
The directives #if defined(symbol) and #ifdef symbol mean, essentially, the same thing.	
True	
○ False	
Question 10	1/1 p
	171 pc
The built-in primitive data types such as int, char and double are structured data types.	
O True	

False



```
You may create a structure variable as part of a structure definition.

True

False
```

Question 12	1 / 1 pts
What does this code do?	
<pre>int x = 0; vector<int> v{1, 3, 2}; for (auto e : v) x += e; cout << x << endl;</int></pre>	
Sums the elements in v	
Prints 2	
Finds the last element in v	
✓ Prints 6	
Prints 0	
☐ Finds the largest element in v	

Question 13	1 / 1 pts
Assuming that you have an iterator named iter. Which statement retrieves the element that iter refers to?	
O auto d = iter;	
O auto c = &iter	
<pre> auto b = *iter;</pre>	
O None of these	
O auto a = ++iter;	

Question 14	1 / 1 pts
What prints?	
<pre>vector<int> v{1, 2, 3, 4, 5}; v.pop_back(); cout << v.front() << endl;</int></pre>	
O 5	
O Nothing; run-time error.	
O Nothing; compile-time error.	
◎ 1	
O 4	

Question 16	1 / 1 pts
The following code is <i>legal</i> .	
struct {int hours, seconds; } MIDNIGHT{0, 0};	
True	
○ False	

Question 17	1 / 1 pts
Examine the following code (which is legal). Which statement is correct?	
<pre>struct Rectangle { int length, width; };</pre>	
© Rectangle r;	
<pre>O Rectangle r = new Rectangle();</pre>	
O None of these are correct	
O r Rectangle;	
○ Rectangle r();	

Question 18	1 / 1 pts
Which line creates an array with 5 elements?	
O int a[4];	
O int[5] d;	
O int[] c[5];	
<pre> int b[5]; </pre>	
O None of these	

```
Assume that p1 is a pointer to an integer and p2 is a pointer to a second integer. Both integers appear inside a large contiguous sequence in memory, with p2 storing a larger address. How many total integers are there in the slice between p1 and p2?

| P1 - P2; | P1 - P2 + 1; | P2 - P1 - 1; | None of these
```

```
Assume that ppi correctly points to pi. Which line prints the value stored inside pi?

int main()
{
    double pi = 3.14159;
    double *ppi;
    // code goes here
    // code goes here
}

    cout << *pi;
    cout << &pi;
    cout << &ppi;
    cout << &ppi;
    cout << &ppi;
    cout << &ppi;
```



Question 22	1 / 1 pts
In C++ using == to compare one array to another is permitted (if meaningless).	
True	
○ False	

Question 23	1 / 1 pts
Which assigns a value to the first position in <i>Letters</i> ?	
<pre>char letters[26];</pre>	
O letters = 'a';	
<pre>O letters[1] = 'b';</pre>	
O letters[0] = "a";	
<pre> letters[0] = 'a'; </pre>	
O letters.front() = 'a';	

Question 24	1 / 1 pts
C++ arrays can be allocated with a size of <i>9</i> .	
O True	
False	

Question 25	1 / 1 pts
What is the equivalent <i>array notation</i> ?	
<pre>int dates[10]; cout << (*dates) + 2 << endl;</pre>	
O dates[2] + 2	
O dates[0] + 4	
<pre> dates[0] + 2</pre>	
O dates[2]	
O &dates[2]	

