**Due** No due date

Points 25

Question 7

Questions 25

Time Limit 30 Minutes

Allowed Attempts Unlimited

Take the Quiz Again

ST	Attempt  Attempt 1	Time 27 minutes	<b>Score</b> 21 out of 25
•		21 million	21 out of 20
orrect ansv	ers are hidden.		
itted Jul 11	at 11:15pm		
	Question 1		1,
	A loop that reads data until some special value is	found is called a sentinel loop.	
	True		
	O False		
	Question 2		1.
	To use different versions of a function depending	on the platform is called <i>conditional compilation</i> .	
	True		
	O False		
	Question 3		1
	A function template may be defined in a header fi	e.	
	True  False		
	O False		
Incor	Question 4		0 /
	To use strings as a data stream source or sink, us	e the <stringstream> header</stringstream>	
	True		
	O False		
	Question 5		1/
	In the <i>primed loop pattern</i> , you read data before	the loop and at the end of the loop.	
	True		
	O False		
	Question 6		1/
	What statement is used to signal other parts for ye	our program that a particular error has occurred?	
	O try		
	O catch		
	• throw		
	O raise		
	O return		

1 / 1 pts

Incorrect Question 8 0 / 1 pts

```
What happens with the following section of code?

cout << "Enter 1, 2 or 3: ";
int n;
int n;
cin >> n;
#if n == 1
cout << "You entered 1" << end1;
#elif n == 2
cout << "You entered 2" << end1;
#elif n == 3
cout << "You entered 3" << end1;
#else
cout << "Invalid value" << end1;
#endif

Compiles, but only prints "Invalid value"

Compiles, but always print "You entered 1"

Does not compile

Compiles and prints the correct value entered by the user.
```

Incorrect Question 10 0 / 1 pts

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 d = cend(v);

auto a = begin(v);

None of these

auto b = end(v);

auto c = cbegin(v);

```
What does this code do?

int x = 0;
vector<int> v{1, 3, 2};
for (auto e : v) e += x;
cout << x << end1;

| Finds the last element in v
| Sums the elements in v
| Prints 2
```

☐ Prints 6	

Question 12	1 / 1 pts
Which statement is false? The elements in a vector:	
O are all of the same type	
are stored next to each other in memory	
O are homogeneous	
O None of these	
are accessed by name	

Question 13	1 / 1 pts
What prints when this code runs?	
<pre>enum class Coin {     PENNY = 1, NICKEL, DIME, QUARTER }; cout &lt;&lt; static_cast<int>(Coin::DIME) &lt;&lt; endl;</int></pre>	
O 2	
O Does not compile; Missing semicolon at end of list of members.	
O 10	
③ 3	

A vector represents a linear homogeneous collection of data.

True

False

Question 16	1 / 1 pts
What is x?	
<pre>vector<int> v{1, 2, 3}; auto x = max_element(v.begin(), v.end());</int></pre>	
O 3	
O None of these	
○ a std::pair object	
an iterator	
O 1	



```
1 / 1 pts
Question 17
What prints?
void f(vector<int>& v)
    v.at(0) = 42;
int main()
{
    vector<int> x{1, 2, 3};
    f(x);
    cout << x.at(0) << endl;</pre>
}
   O 1
    42
   O Nothing; run-time error.
   O Nothing; linker error
   O Nothing; compile-time error.
```

Question 18	1 / 1 pts
A forward reference can be used when you want to use a structure as a data member without first defining the entire structure.	
O True	
False	

Question 19	1 / 1 pts
In C++ an array variable and the array elements are separate. The array variable contains the address of the first element in the array.	
O True	
False	
• False	

Question 20	1 / 1 pts
Which expression obtains the value that $p$ points to? int $x(100)$ ; int *p = &x	
*p	
О р	
○ &p	
○ *(&p)	
○ &(*p)	

```
The elements of a C++ array created outside of a function are allocated in the static-storage area.

True

False
```



Question 23	1 / 1 pts
Here is a fragment of pseudocode for the <i>negative()</i> function from your homework. What statement represents the underlined portion of code?	
Let p point to beginning of the image Let end be pixel one past the end of the image While p != end Invert the red component  Move p to next component	
O None of these	
p++;	
○ *p = p + 1;	
O *p++;	
○ &p++;	

Question 24	1 / 1 pts
Examine the following code. What is stored in <b>b</b> after it runs.	
<pre>int f(int * p, int x) {     *p = x * 2;     return x / 2; } int a = 3, b, c; c = f(&amp;b, a);</pre>	
O 2	
O 3	
O Does not compile	
O 1	

