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 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 6:32am

```
1 / 1 pts
Question 1
Which of the following loop patterns are used here?
size_t pos = 0;
char ch;
in.get(ch);
while (ch != 'Q')
    pos++;
    in.get(ch);
}
    primed loop
   □ counter-controlled loop
   ☐ limit loop
   ☐ iterator or range loop
   ☐ data loop
   ☐ loop-and-a-half
    sentinel loop
    ☐ inline test
```

Question 2	1 / 1 pts
The function returns a string containing an appropriate message.	
O where	
what	
O log	
O when	

Question 4	1 / 1 pts
The directives #if defined(symbol) and #ifndef symbol mean, essentially, the same thing.	
O True	
False	

Question 5	1 / 1 pts
The line: ifstream in("x"); throws a runtime exception if a file x cannot be found.	
O True	
False	

Question 6	1 / 1 pts
Which fragment completes this code segment?	
<pre>string fmt(double n, int decimals) { ostringstream out; out << fixed << setprecision(decimals); out << n; return; }</pre>	
O None of these	
<pre> out.str()</pre>	
○ n	
<pre>O out.to_string()</pre>	

```
Which of the following loop patterns are used here?

string s{"hello CS 150"};
for (auto e : s)
{
    if (toupper(e)) break;
}
    | inline test
    | counter-controlled loop
    | limit loop
    | literator or range loop
    | sentinel loop
    | primed loop
    | loop-and-a-half
    | data loop
```



Question 14

The following code is *legal*.



 \square age

Question 15	1 / 1 pts
The declaration: vector <int> v(10, 5); creates a vector object containing five integers.</int>	
O True	
False	

 Question 17

 What is stored in data after this runs?

 vectorcint> data{1, 2, 3};

 data.back();

 0 [1, 2, 3, 0]

 0 [1, 2, 3]

 0 None of these

 0 [2, 3]

 0 []

Question 18

The size of the array is stored along with its elements.

True

False

Question 19

In C++ using == to compare one array to another is permitted (if meaningless).

True

False

Question 20

The elements of a C++ array created in a function are allocated on the stack.

True	
○ False	
Question 21	1 / 1 p
A forward reference can be used when you want to use a structure as a data member without first defining the entire structure.	
○ True	
False	
Question 22	1/1 p
These pointers should point to "nothing". Which is not correctly initialized?	
<pre> vector<int> *vp; </int></pre>	
O Star *ps = NULL;	
<pre>O int *pi = nullptr;</pre>	
O double *pd = 0;;	
All are correctly initialized to point to nothing.	
Question 23	1/1;
If p is a pointer to a structure, and the structure contains a data member x , you can access the data member by using the notation: * $p \rightarrow x$	
○ True	
False	
Question 24	1/1p
These pointers should point to "nothing". Which is not correctly initialized?	
<pre>O vector<int> *vp(0);</int></pre>	
<pre>O int *pi = nullptr;</pre>	
○ Star *ps = NULL;	
O double *pd{};	
All are correctly initialized to point to nothing.	
Question 25	0 / 1 μ
What is printed when you run this code?	
<pre>int *n{nullptr};</pre>	
cout << n << endl;	
O No output; compiler error.	
○ The address value 0	
No compilation errors, but undefined behavior	



O The word "nullptr"