Midterm 3 Study Guide

Due No due date

Points 25

Questions 25

Time Limit 30 Minutes

Allowed Attempts Unlimited

Take the Quiz Again

Attempt History

	Attempt	Time	Score
KEPT	Attempt 24	15 minutes	25 out of 25
LATEST	Attempt 24	15 minutes	25 out of 25
	Attempt 23	21 minutes	24 out of 25
	Attempt 22	24 minutes	24 out of 25
	Attempt 21	18 minutes	24 out of 25
	Attempt 20	30 minutes	19 out of 25
	Attempt 19	20 minutes	23 out of 25
	Attempt 18	30 minutes	21 out of 25
	Attempt 17	30 minutes	23.5 out of 25
	Attempt 16	30 minutes	24 out of 25
	Attempt 15	30 minutes	21 out of 25
	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 20 at 12:42pm

Question 1	1 / 1 pts
A catch() will catch any kind of thrown exception.	
True	
○ False	

Question 2	1 / 1 pts
In the <i>flag-controlled-pattern</i> , you read data before the loop and at the end of the loop.	
O True	
⊚ False	

Question 3	1 / 1 pts
Match each item with the correct loop form below.	
Indefinite limit loop that reduces its input	while (n != 0) { n /= 2; }
Indefinite limit loop that uses successive approximations	while(abs(g1 – g2) >= EPSILOf \checkmark
Counter-controlled symmetric loop for producing a sequence of data	for (int i=12; i <= 19; i++) {} •
Indefinite data loop that uses raw input	while(cin.get(ch)) {}
Counter-controlled asymmetric loop for processing characters	for (size_t i=0, len=s.size(); i < I >
Iterator loop that may change its container	for (auto& e : col) {}
Iterator loop that cannot change its container	for (auto e : col) {}

Counter-controlled loop for processing substrings	for (size_t i=4, slen=4, len=s.siz v	
Indefinite data loop that uses formatted input	while(cin >> n) {}	
Question 4		1 / 1 pts
A(n) is a statement about a condition which must b	be true when it is encountered in your code.	
O postcondition		
assertion		
O precondition		
exception		
Question 5		1 / 1 pts
The C++11 standard library provides the function <code>stoi()</code> to convert a st	tring to an integer. Which library is it found in?	
○ cnvt		
O None of these		
○ cmath		
string		
○ iostream		
Question 6		1 / 1 pts
A loop that reads data until the input stream signals that it is done is call	led a sentinel loop.	
○ True		
False		
Question 7		1 / 1 pts
A loop that reads data until some special value is found is called a senti	пет тоор.	
True		
○ False		
Question 8		1 / 1 pts
A catch block can have, at most, catch block parameter(s).		
○ zero		
O two		
one		
O three		
Question 9		1 / 1 pts
What happens when you execute the (erroneous) line:		
<pre>auto x = sqrt(-1);</pre>		
The program prints an error message and terminates		
The statement is skipped and the program continues		
The function throws and exception. If not caught the program terminates		

The function returns an error value and the program continues

O The code does not compile. You cannot take the square root of a negative number.





Question 17	1 / 1 pts
What is stored in data after this runs?	
<pre>vector<int> data{1, 2, 3}; data.clear();</int></pre>	
O [1, 2, 3]	
0 [1, 2, 3, 0]	
O None of these	
O [1, 2]	
O [2, 3]	
Question 18	1 / 1 pts
An incomplete type and a forward reference generally mean the same thing.	
True	
O False	
Question 19	1 / 1 pts
Which of these is not one of the three shows to viction of avery variable?	
Which of these is not one of the three characteristics of every variable?	
O name	
O type	
alias	
O value	
O None of these	
Question 20	1 / 1 pts
What is the address of the first pixel in the last row of this image?	
Pixel *p; // address of pixel data	
int w, h; // width and height of image	
O p + w + (h - 1)	
O p + w + h	
<pre> p + w * (h - 1) </pre>	
O p + w * h	
O None of these are correct	
Question 21	1 / 1 pts
The elements of a C++ array greated outside of a function are allegated in the static storage area	
The elements of a C++ array created outside of a function are allocated in the static-storage area.	
True	
TrueFalse	
	1 / 1 pts
O False	1 / 1 pts
O False Question 22	1 / 1 pts

Question 23

What is printed?		
<pre>int a[] = {1, 2, 3}; int b[] = {1, 2, 3};</pre>		
<pre>if (a == b) cout << "a == b" << endl; else cout << "a != b" << endl;</pre>		
○ a == b		
a != b		
Syntax error; does not compile.		
Undefined behavior		

Question 24	1 / 1 pts
In C++ using == to compare one array to another is permitted (if meaningless).	
True	
○ False	



