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 4	21 minutes	23 out of 25
LATEST	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

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	Attempt 1	27 minutes	21 out of 25	
Correct answer	rs are hidden.			
Submitted Jul 12 at	10:26pm			
	Question 1		1 / 1 pts	
	The class is designed to deal with i	llegal arguments used in a function call.		
	O bad_argument			
	O illegal_argument			
	O invalid_call			
	<pre> invalid_argument </pre>			
	Question 2		1 / 1 pts	
	The statement #if abs(-3) > 2 is legal.			
	O True			
	False			
	Question 3		1 / 1 pts	
	In the <i>loop-and-a-half pattern</i> , you read o	lata before the loop and at the end of the loop.		

Question 3	1 / 1 pts
In the <i>loop-and-a-half pattern</i> , you read data before the loop and at the end of the loop.	
O True	
False	

Question 4	1 / 1 pts
A catch block can have, at most, catch block parameter(s).	
○ two	
O three	
O zero	
one	

Question 5	1 / 1 pts
The directives #if defined(symbol) and #ifdef symbol mean, essentially, the same thing.	
True	
O False	

1 / 1 pts Question 6 Functions with generic parameters may use the keyword class or the keyword typename for their type parameters.

```
True

False
```

```
A loop that reads data until some special value is found is called a data loop.

True

False
```

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

if (_APPLE__)
    cout << "Running on a Mac" << endl;
else if (_WIN32)
    cout << "Running on Windows" << endl;
else if (_linux)
    cout << "Running on Linux" << endl;
else
    cout << "Running on an unknown platform" << endl;</pre>
```

0 / 1 pts

O All lines will be included in the program. It will print the platform you are running on.

O The program will not compile

 $\ensuremath{\, ullet \,}$ 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.

```
Examine the following definition. What is the syntax error?

struct Employee
{
long empID;
std::string lastName;
double salary;
}

there is no syntax error

use of std:: in front of the string definition.

data members cannot be different types

missing a semicolon after the structure definition
```



Incorrect

Question 9

Question 12	1 / 1 pts
What prints when this code runs?	
<pre>enum class Coin { PENNY = 1, NICKEL = 5, DIME = 10, QUARTER = 25 };</pre>	
<pre>Coin c = Coin::NICKEL; cout << static_cast<int>(c) << endl;</int></pre>	
O Does not compile; Missing semicolon at end of list of members.	
O 2	
O Does not compile; Cannot assign Coin::NICKEL to c.	

Question 13	1 / 1 pts
Assume vector <double> speed(5); Which line throws a <i>runtime error</i>?</double>	
<pre>O speed.front() = 12;</pre>	
<pre>© cout << speed.at(speed.size());</pre>	
<pre>O speed[0] = speed.back()</pre>	
O speed.erase(speed.begin());	
O None of these	

Question 14	0 / 1 pts
Assume vector <double> speed(5); Which line throws a <i>runtime error</i>?</double>	
<pre>Speed.erase(speed.begin());</pre>	
<pre>O speed[0] = speed.back()</pre>	
O None of these	
<pre>© cout << speed[5];</pre>	
<pre>O speed.front() = 12;</pre>	

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

Question 16	0 / 1 pts
Structures are <i>homogenous</i> data types.	
True	
○ False	



Question 18	1 / 1 pts
Which array definition contains undefined values?	
<pre>int SIZE = 3; int a1[SIZE]; int a2[3]; int a3[3]{}; int a4[] = {1, 2, 3}; int a5[3] = {1, 2};</pre>	
O a1	
O None of these	
O a3	
○ a5	

```
        Question 19
        0 / 1 pts

        What is the equivalent array notation?
        int dates[10]; cout << *dates + 2 << endl;</td>

        dates[0] + 4
        dates[2] + 2

        @ dates[2]
        &dates[2]

        dates[0] + 2
        dates[0] + 2
```

```
Question 21

What is printed?

int a[] = {1, 2, 3};
 int b[] = {1, 2, 3};

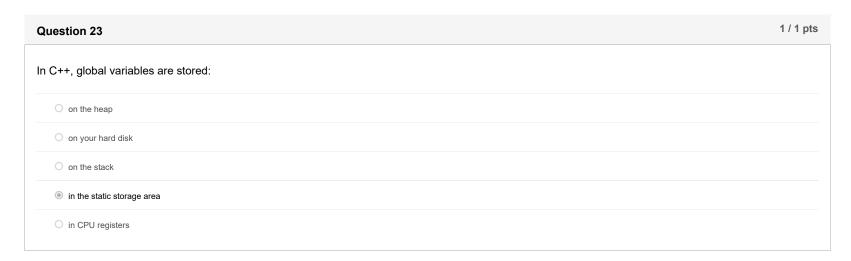
if (a == b) cout << "a == b" << end1;
  else cout << "a != b" << end1;

O Undefined behavior</pre>
```





Question 22	I / 1 pts	
Which expression returns the number of countries?		
<pre>string countries[] = {"Andorra", "Albania", };</pre>		
None of these		
○ len(countries)		
<pre>O sizeof(countries) * sizeof(countries[0])</pre>		
O sizeof(countries)		
O countries.length		



Question 24	1 / 1 pts
Which expression returns the number of countries?	
<pre>string countries[] = {"Andorra", "Albania", };</pre>	
O None of these	
O len(countries)	
<pre> sizeof(countries) / sizeof(countries[0]) </pre>	
<pre>O sizeof(countries) * sizeof(countries[0])</pre>	
O sizeof(countries)	

```
Question 25

The value for the variable b is stored:

int a = 1;
void f(int b)
{
   int c = 3;
   static int d = 4;
}

② on the stack

○ in the CPU machine registers

○ in the static storage area

○ The example does not provide enough information

○ on the heap
```

