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Points 25

Questions 25

Time Limit 30 Minutes

Allowed Attempts Unlimited

Take the Quiz Again

Attempt History

Due No due date

	Attempt	Time	Score
KEPT	Attempt 2	30 minutes	22.5 out of 25
LATEST	Attempt 2	30 minutes	22.5 out of 25
	Attempt 1	27 minutes	21 out of 25

① Correct answers are hidden.

Submitted Jul 12 at 3:07am



Suppose you have the following code, and sis negative. What happens?

cout << sqrt(x) * sqrt(x) << end1;

The program will terminate with an assertion, since you can't take the square root of a negative number.

The global error variable, error, may be set to indicate the error

The program will throw an exception

The program will not compile

The original value of sis printed

The completion code value, nan, may be printed signaling an error.

What happens with the following section of code?

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

Does not compile

Compiles, but only prints "Invalid value"

Compiles, but only prints "Invalid value"

Compiles, but always print "You entered 1"





Indefinite limit loop that uses successive approximations	while(abs(g1 - g2) >= EPSILO \uparrow ∨
Counter-controlled symmetric loop for producing a sequence of data	for (int i=12; i <= 19; i++) {} v
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 v
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 5	1 / 1 pts
In the <i>flag-controlled-pattern</i> , you use Boolean variable to signal when the sentinel is found.	
True	
○ False	

Question 6	1 / 1 pts
In a sequence of try/catch blocks, the last catch block of that sequence should be	
<pre> catch(){ }</pre>	
O catch(exception){}	
O catch(int x) { }	
O catch(str){ }	

Question 7	1 / 1 pts
The C++11 standard library provides the function stoi() to convert a string to an integer. Which library is it found in?	
○ cnvt	
○ iostream	
O None of these	
(®) string	

```
Question 8

What happens when this code fragment compiles and runs?

#define N
#ifdef N
cout << "Hello";
#else
cout << "Goodbye";
#endif

prints nothing

prints "Hello"
prints "HelloGoodbye"

It does not compile.
```

Question 9 1/1 pts





O enumerations

generics

O None of these

abstract data types

ne logic_error and runtime_error classes are defined in the header	r file
O stdex	
O stdlib	
O exception	
uestion 10	1/1;
C++ the parameterized collection classes are called?	
templates	
O collections	

Question 11	0 / 1 pts
What prints when this code runs?	
enum class Coin	
{ PENNY, NICKEL, DIME, QUARTER };	
<pre>cout << Coin::PENNY << endl;</pre>	
O 0	
O PENNEY	
O 1	
Does not compile; Cannot output enumerated members without overloaded operator.	
○ Coin::PENNY	

```
Question 12

Which of these are true?

int main()
{
    vector<int> v{1, 2, 3};
    for (auto& e: v) e = 0;
    cout << v.at(0) << endl;
}

Prints 0

Code compiles but gives a warning

Prints 1

Code runs but has no effect on v

Prints 3

Code will not compile
```

```
Which defines a vector to store the salaries of ten employees?

vector<double> salaries(10);

vector salaries(10);

double salaries[10];

vector<double> salaries[10];

None of these
```

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Question 15	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 6	
Finds the last element in v	
□ Prints 0	
Prints 2	
☐ Finds the largest element in v	

Question 16	1 / 1 pts
Assume that v contains [1, 2, 3]. The result of writing cout << v[4]; is undefined.	
True	
O False	

Question 17	1 / 1 pts
The structure and variable definitions are fine. Which statements are legal?	
<pre>struct Rectangle { int length, width; } big, small;</pre>	
O if (big.length == width)	
O if (big != small)	
O None of these are correct	
<pre> if (big.length == small.width) </pre>	
O if (big == small)	

Question 18	1 / 1 pts
What is the equivalent array notation?	
<pre>int dates[10]; cout << *(dates + 2) << endl;</pre>	
O &dates[2]	
O dates[2] + 2	
O dates[0] + 4	
O dates[0] + 2	

Incorrect

```
How can we print the address where n is located in memory?

int n{500};

© cout << n& << end1;

cout << *(&n) << end1;

cout << n << end1;

cout << n << end1;

cout << n << end1;
```

Question 21	1 / 1 pts
Array subscripts are not range checked	
True	
○ False	

Question 22	1 / 1 pts
The elements of a C++ string array with no explicit initialization, created in a function will be set to null.	
○ True	
False	

```
      Question 23

      What prints?

      int a[] = {1, 3, 5, 7, 9};

      int *p = a;

      cout << *++pp;</td>

      cout << *p << endl;</td>

      0 13

        ® 33

      0 12

      0 22

      0 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
}

O cout << *pi;
```

O cout << ppi;		
○ cout << &ppi		
O None of these		
<pre>© cout << *ppi;</pre>		

Question 25	1 / 1 pts
What is printed when you run this code?	
what is printed when you full this code:	
<pre>int n{};</pre>	
<pre>int *p;</pre>	
*p = n;	
cout << *p << endl;	
O None of these	
No compilation errors, but undefined behavior when run	
O The value 0 (stored in n)	
○ The address value where <i>n</i> is stored	
○ Will not compile	

