MIDTERM 03 C++

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What happens when you execute the (erroneous) line: cout << stoi("fifteen") << endl;	An exception is thrown, which may be caught. If it is not caught, the program terminates.
A loop that reads data until some special value is found is called a sentinel loop.	True
When you throw an exception, control immediately jumps out of the current try block.	True

What is correct for # 1?
 	
int main(){
1.
{
string s = "hello";
cout << s.at(5) << endl;
}
2. (3. e)
{
cout << e. 4. () << endl;
}
}
	try

If the catch block with an ellipses (in the heading) is needed, then it should be the first catch block in a sequence of try/catch blocks.	False
What happens with the following section of code? #if _APPLE_ cout << "Running on a Mac" << endl; #elif _WIN32 cout << "Running on Windows" << endl; #elif _linux cout << "Running on Linux" << endl; #else cout << "Running on an unknown platform" << endl; #endif	Only the lines that identify your platform will be included in the executable
A catch block specifies the type of exception it can catch and immediately terminates the program.	False
In the primed loop pattern, you use Boolean flag to signal when the sentinel is found.	False
The directives #if defined(symbol) and #ifdef symbol mean, essentially, the same thing.	True
Assuming that you have an iterator named iter. Which	auto b = *iter;

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```
enum class Coin
{
PENNY = 1, NICKEL, DIME, QUARTER
};
cout << static_cast<int>(Coin::DIME) << endl;
```

Examine the following definition. empID is a _____. ```struct Employee { long empID; std::string lastName; double salary; };```	data member
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 1 Code runs but has no effect on v
Which of these are true? ```int main() { vector<int> v{1, 2, 3}; for(const auto& e : v) e = 0; cout << v.at(0) << endl; }```	Code will not compile
Examine the following code. Which element is erased? ```vector<int> v{1, 2, 3}; v.erase(begin(v) + 2);```	3
Structure variables should be passed to functions by value.	False
What is printed when you run this code? ```int n{}; int *p; *p = &n; cout << *p << endl;```	Will not compile
What prints? ```int a[] = {1, 3, 5, 7, 9}; int *p = a; cout << *p++; cout << *p << endl;```	13
In C++ initializing an array with the contents of another is illegal.	True
Which of these lines displays the eighth element of a? ```int a[15];```	cout << a[7] << endl;

```
int a1[SIZE];
int a2[3];
int a3[3]{};
int a4[] = {1, 2, 3};
int a5[3] = {1, 2};
```

Which expression obtains the value that p points to?
int x(100);
int *p = &x;
	*p

In C++ assigning one array to another is illegal.	True

What is printed when you run this code?
int num = 0;
int *ptr = #
num = 5;
*ptr += 5;
cout << num << " " << *ptr << endl;
	10 10