

✓ Congratulations! You passed!

TO PASS 80% or higher

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Week 1 Quiz

LATEST SUBMISSION GRADE 100%			
1.	One of these statements below is true and the other three are false. Which one is true? A Boolean variable can only be assigned a value from this set of three reserved words: {true, false, undefined}. Every variable in C++ holds either an integer, a character, a Boolean or a floating point value (of some precision). Every function in C++ must return a value. Every variable in C++ has to be associated with a specific type Correct C++ is "strongly typed" which means that the type of every variable is assigned when the variable is declared, and the type of a variable cannot change once the variable is declared.	1/1 point	
2.	According to the C++ standard, what is the name of the function is the starting point for a program? begin() init() start() main() Correct When you write a C++ program, the program begins when the operating system calls the function "main()."	1/1 point	
3.	One of these statements below is true and the other three are false. Which one is true? A class can consist of multiple member data variables, but all must be of the same type. A class can consist of multiple member data variables of different types, but each type must be specified when the class is defined. A class can consist of multiple member data variables of different types, but each member variable must be one of the built-in types. A class can consist of multiple member data variables, but the type of each data variable does not need to be specified until the class is used to declare a variable.	1/1 point	
4.	One of these statements below is true and the other three are false. Which one is true? The member functions of a class can only operate on member data variables of that class. The member data variables in a class can only be accessed by the member functions of that class.	1/1 point	

5. Which C++ directive is used to insert the contents of another file at the current location while

O Any functions that operate on a class's member data variables must be implemented independent of

The member functions of a class always have access to every member data variable of that class.

1 / 1 point

#library

✓ Correct

the class in a separate .cpp file.

#include

#import

#using

	The file indicated by the string after the "#include" directive is compiled before the rest of the current file is compiled.	
6.	Given only the following code:	1/1 point
	1 * namespace viuc { 2 * class Pair { 3 double a,b; 4 };	
	which of the following syntax can be written outside of the namespace declaration to properly create a variable named "p" of type Pair? o uiuc:Pair p; uiuc/Pair p; (uiuc) Pair p;	
	Correct We have to reference the namespace to access the classes defined in it.	
7.	Which keyword is used to indicate which namespace(s) to search to find classes and variables when they are referenced throughout the rest of the program? using std namespace uiuc	1/1 point
	Correct The "using" keyword indicates to the compiler from which namespace references to classes and variables should be found.	
8.	Why do we use namespaces in C++ programming? Because all references to variable and class names must be made through namespace. Because two different libraries might use the same label for a class or variable Because it allows a library to claim a variable or class name that cannot be used by any other library. Because all variable and class names must be defined using a namespace.	1/1 point
	Correct Namespaces allow different libraries to use the same label for a class or variable because they can each define a unique namespace to differentiate them when they are used together in a program.	
9.	What is the namespace of the C++ Standard Library? csl stdio std cstl	1/1 point
	✓ Correct	
10.	Which operator is used to send a sequence of strings, numbers and other values to the standard library's cout object in a specific order so that they will be printed to the console? = <	1/1 point
	Correct This is called the "streaming" operator and sends the operand on its right to the stream on its	

✓ Correct

left. Syntactically, the expression also evaluates to the stream on the left, so the line:

```
1 std::cout << "a" << 3;
```

is first evaluated as

```
1 (std::cout << "a") << 3;
```

and the expression in the parentheses returns a reference to cout after sending "a" to it, so that the second "<<" operator sends the value 3 to cout. You can think of it like this:

```
1 // After the "a" has been sent to std::cout,
2 // the rest of the expression evaluates as:
3 std::cout << 3;
4
5 // Ater the 3 has been sent:
6 std::cout;
```

After each "<<" is evaluated, the sub-expression evaluates to a reference to std::cout, including at the very end, after all the streamed items have been sent. This will be useful to know later, when we'll show you how to make your own classes compatible with streaming to std::ostream objects (like std::cout).