C++ Week One Quiz

Q1: What is wrong with the following code that prints the first line of a file (Hint: There is more than just one thing std::ifstream inFile("myFile.txt"); Leis open if (in File)

inFile.open("myFile.txt"); //opening twice &

std::get_line(inFile, line);

td::cout << 1' wrong)? #include <ifstream> #include <string> AFINCUDE LIOSTREAM > int main(){ Sto :: CETTER "Band File In" infile.open ("myFile.txt"); //opening twi return 0; } Q2: How many bytes is a int, long and a pointer on a LP64 machine? long 3 pointer 64 bit/8 bytes many throng man and al sales see int 32 bits /4 bytes Q3: How would you use a lambda to bind parameter one of foo to 5? int foo(int a, int b); sound for a state of the latter of the best in the state of auto foolambda = E] (int a) { foo(5, a) ; 3; Q4: How would you use bind to do the same thing as in Q3? int foo(int a, int b); auto fooBind = std::bind(foo, 5, std::placeholders::-1); Q5: If I want to pass a std::string to foo as an in parameter, how would I do it and why? void foo(const std::string s); more efficient than a copy and void foo(const std::string* s); const so it won't change the void foo(const std::string& s); void foo(std::string s);

Q6: It I wanted to pass an int to foo as an in parameter now would I do it and wh	y?
void foo(int x); - primitive type are just as void foo(const int& x); indirections to use.	cheap to copyand No
void foo(const int& x); indirections to use.	
	C++ Week One (
<pre>void foo(int* x);</pre>	
grade that prints the first line of a flie (Hint: There is more that just one thing	
Q7: What is the main difference between a share ptr <int> and a unique ptr<int></int></int>	? (Samonus
shared-ptr-mer multiple owners and can:	by Lopiconarions soutants.
Shared-ptr-mer multiple owners and can ! Q8: How do I declare a pointer that is const but not the data that it points to?	so can not by cope
just the const ptr;	Frontide Elistrecons
Q9: constexpr objects are const and their values are known at compile	time source
43. Constexpi objects are const and their values are known	std::ifstream lofile("ayFile.
Magazine trainer to the second of the second	- Other of humblespecifing
Q10: What type is X below:	std::string line;
int a = 6;	
and b = a,	
auto x = b;	
Q11: Give an example of a narrowing conversion: $N+ \times = O \times D = A$	
short y=x; lla	arrowing conversion
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Q13: What is a type that I might use if I needed to rely on items I put into it being	contiguous in memory?
Std: vector stduarray	
Q14: What would I use for a look up table that was constantly growing and shrink	king?
Stormap unordered map would be	expensive to move the
Q14: What would I use for a look up table that was constantly growing and shrink storm map would be Q15: What is wrong with the overloaded functions in the code below?	s around during resi
<pre>void foo();</pre>	int foo(int a, int b);
<pre>void foo(int x = 5);</pre>	
The compiler can't figure out	whach to
So as an in paramerer, from would I do it and why?	
Call for fool;	void foo(const std::string s):
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and I	