Due No due date Points 16 Questions 15 Time Limit 30 Minutes Allowed Attempts Unlimited

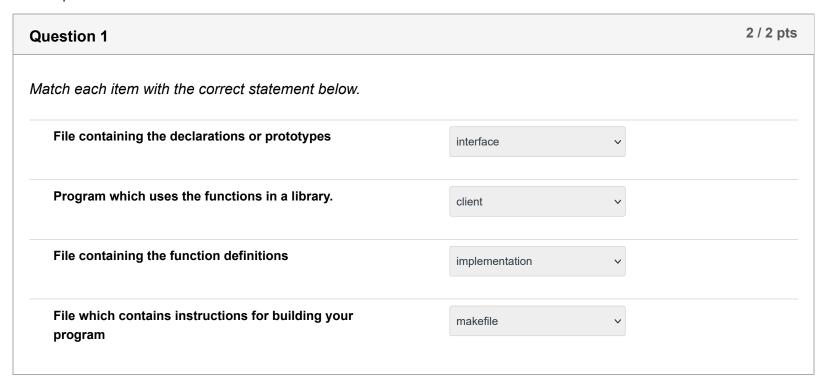
Take the Quiz Again

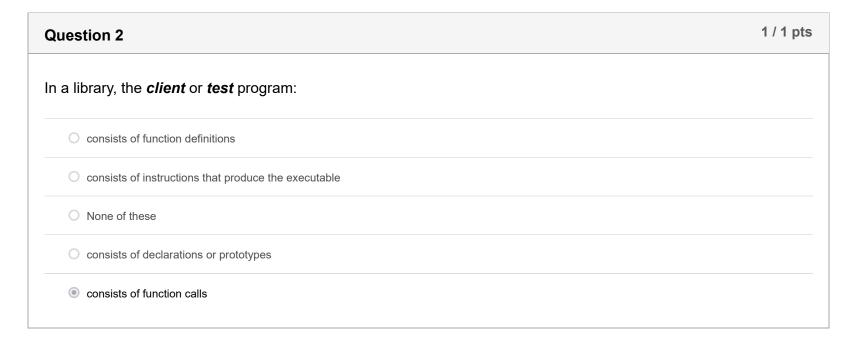
Attempt History

	Attempt	Time	Score	
KEPT	Attempt 3	18 minutes	15.5 out of 16	
LATEST	Attempt 4	29 minutes	13.5 out of 16	
	Attempt 3	18 minutes	15.5 out of 16	
	Attempt 2	18 minutes	12 out of 16	
	Attempt 1	27 minutes	12 out of 16	

Correct answers are hidden.

Submitted Jun 28 at 10:54pm







Question 4	1 / 1 pts
What kind of error is this?	
<pre>ex1.cpp:7:9: warning: missing terminating '"' character a = "hello world'; ^</pre>	
ex1.cpp:7:9: error: expected expression	
O None of these	
Operating system signal or trap	
Linker error (something is missing when linking)	
O Compiler error (something is missing when compiling)	
Runtime error (throws exception when running)	
Syntax error (mistake in grammar)	
Type error (wrong initialization or assignment)	

Question 5	1 / 1 pts
What kind of error is this?	
ex1.cpp:6:12: error: no viable conversion from 'int' to 'string' string a = 15; ^ ~~	
Type error (wrong initialization or assignment)	
Runtime error (throws exception when running)	
O None of these	
Linker error (something is missing when linking)	
Operating system signal or trap	
O Syntax error (mistake in grammar)	
O Compiler error (something is missing when compiling)	

Question 6	1 / 1 pts
An incomplete, yet compilable, linkable and executable function is called a?	
O declaration	
O prototype	
O None of these	
stub	

Partial Question 7 0.5 / 1 pts

Which prototypes in the following header file contain errors?





Question 9	1 / 1 pts
What is the output of the following?	
<pre>int i = 1; int sum = 0; while (i <= 13) { sum = sum + i; i = i + 3; }</pre>	
cout << "The value of sum is " << sum; The value of sum is 22	
The value of sum is 35	
The value of sum is 0	
The value of sum is 13	

Question 10	1 / 1 pts
Here is an implementation of checkDigit() from H07. What is its problem?	



```
int checkDigit(int zip) {
   int sum = 0;
   while (zip != 0) {
      sum += zip % 10;
      zip /= 10;
   }
   return 10 - sum % 10;
}

Old It does not compile because you are missing the else

It skips one digit since you should divide by 10 before adding to sum instead of after

It produces the wrong output when sum is not evenly divisible by 10

It compiles and produces the correct output in all cases
```

Incorrect Question 11 0 / 1 pts

Here is an implementation of checkDigit() from H07. What is its problem?

```
int checkDigit(int zip) {
    int sum;
    while (zip != 0) {
        sum += zip % 10;
        zip /= 10;
    }
    if (sum % 10 == 0)
        return 10 - sum % 10;
    return 0;
}
```

- It does not compile because sum is never initialized
- O It compiles and produces the correct output in all cases
- O It compiles but produces undefined behavior because sum is never initialized
- It does not compile because you are missing the else
- \bigcirc It produces the wrong output only if sum is evenly divisible by 10 $\,$

Incorrect

Question 12 0 / 1 pts

Here is an implementation of barCode() from H07. What is its problem?

```
string barCode(int zip) {
    string result;
    int check = checkDigit(zip);
    while (zip != 0) {
        result = codeForDigit(zip % 10) + result;
        zip /= 10;
    }
    result += codeForDigit(check);
    return "|" + result + "|";
}
```

O It does not compile

O It prod	oduces the wrong output because the bars are in the wrong order
O It pro	oduces the wrong output since it returns extra bars at the beginning and end
It pro	oduces the wrong output since the check digit is supposed to be added to the beginning
O It con	mpiles and produces the correct output in all cases

Question 13	1 / 1 pts
<pre>In H08 you need to complete the digit() function. What should replace the blank line below? string digit(int digit, const string& symbols) {</pre>	
<pre>string one = symbols.substr(0, 1); string five = string ten = symbols.substr(2, 1);</pre>	
O None of these are correct	
O symbols.substr(0, 2);	
<pre>symbols.substr(1, 1);</pre>	
O symbols.substr(0, 1);	
O symbols.substr(1, 2);	

Question 14	1 / 1 pts
In H08, the ones(), tens() and hundreds() functions are already written. You need to complete the digit function. Once you have completed it, what is the expected output for the code below?	:()
<pre>inline string ones(int n) { return digit(n, "IVX"); } string digit(int digit, const string& symbols) { } cout << ones(3) << endl;</pre>	
O xxx	
О І	
○ vw	
○ v	
III	
Using the "ones" symbols, 3 is III in Roman Numerals.	

```
In H08, the ones(), tens() and hundreds() functions are already written. You need to complete the digit()
function. Once you have completed it, what is the expected output for the code below?

inline string hundreds(int n) { return digit(n, "CDM"); }
string digit(int digit, const string& symbols) { ... }
cout << hundreds(4) << endl;</pre>
```



○ CM	
O DM	
O DC	
○ CDM	