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

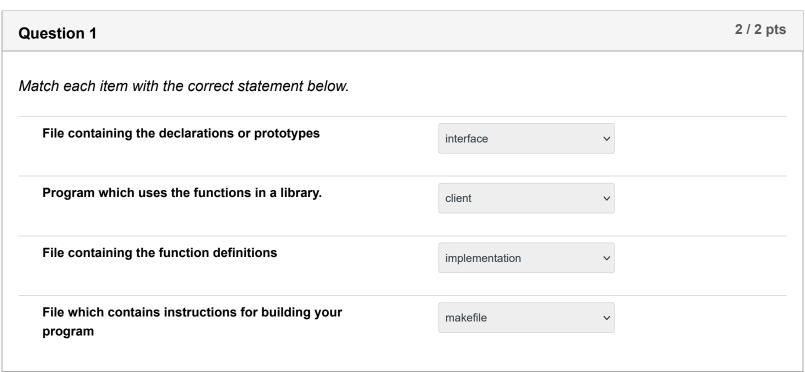
Take the Quiz Again

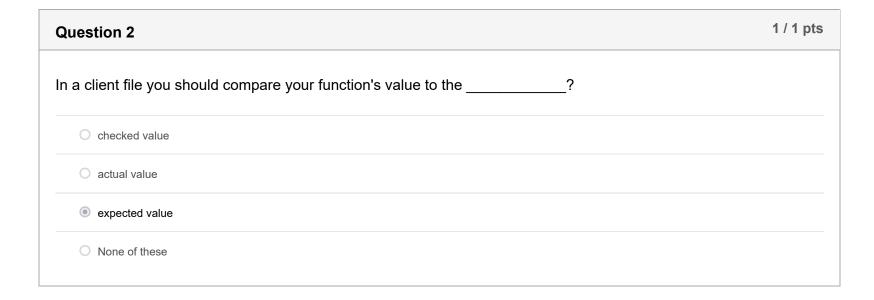
Attempt History

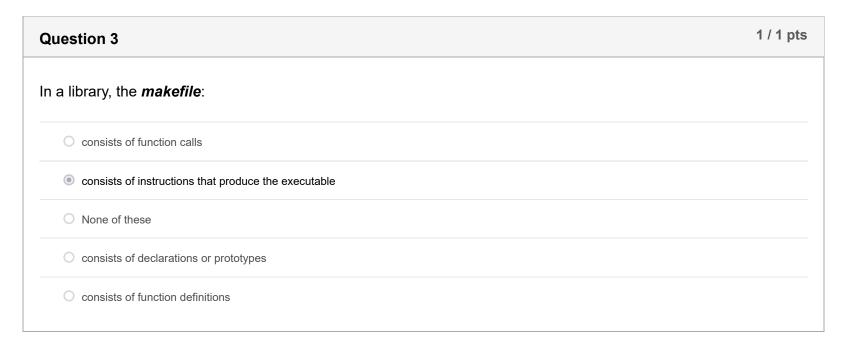
	Attempt	Time	Score
KEPT	Attempt 3	18 minutes	15.5 out of 16
LATEST	Attempt 3	18 minutes	15.5 out of 16
	Attempt 2	18 minutes	12 out of 16
	Attempt 1	27 minutes	12 out of 16

① Correct answers are hidden.

pmitted Jun 28 at 10:24pm







Operating system signal or trap	
O None of these	
Linker error (something is missing when linking)	
O Compiler error (something is missing when compiling)	
Type error (wrong initialization or assignment)	
Question 5	1 / 1 pts
What kind of error is this?	
terminate called after throwing an instance of 'std::out_of_range'	
Linker error (something is missing when linking)	
O None of these	
O Syntax error (mistake in grammar)	
Operating system signal or trap	
O Compiler error (something is missing when compiling)	
Runtime error (throws exception when running)	
O Type error (wrong initialization or assignment)	
Question 6	1 / 1 pts
An incomplete, yet compilable, linkable and executable function is called a?	
	None of these Linker error (something is missing when linking) Compiler error (something is missing when compiling) Type error (wrong initialization or assignment) Question 5 What kind of error is this? terminate called after throwing an instance of 'std::out_of_range' Linker error (something is missing when linking) None of these Syntax error (mistake in grammar) Operating system signal or trap Compiler error (something is missing when compiling) Runtime error (throws exception when running) Type error (wrong initialization or assignment)

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

Question 7	1 / 1 pts
When you call a function, the compiler must know:	
☐ the name of each argument	
the number of arguments to pass	
the name of the function	





```
1 / 1 pts
Question 10
Here is an implementation of codeForDigit() from H07. What is its problem?
 string codeForDigit(int digit) {
     switch (digit) {
         case '0': return "||:::";
        case '1': return ":::||";
         case '2': return "::|:|";
         case '3': return "::||:";
         case '4': return ":|::|";
         case '5': return ":|:|:";
         case '6': return ":||::";
        case '7': return "|:::|";
         case '8': return "|::|:";
         case '9': return "|:|::";
     return "";
```



It does not compile since you can have only one return statement in a function
It compiles and produces the correct output
It does not compile because you can't use digit as a switch selector
It gives the wrong output since you need case 0:, not case '0':
It does not compile since it has an extra return statement at the end

```
1 / 1 pts
Question 11
Here is an implementation of codeForDigit() from H07. What is its problem?
 string codeForDigit(int digit) {
      switch (digit) {
           case 0: return "||:::";
           case 1: return ":::||";
           case 2: return "::|:|";
           case 3: return "::||:";
           case 4: return ": |:: | ";
           case 5: return ": |: |: ";
           case 6: return ":||::";
           case 7: return "|:::|";
           case 8: return "|::|:";
           case 9: return "|:|::";
      return "";
   It compiles and produces the correct output
   It gives the wrong output since you need case '0':, not case 0:
   O It does not compile since it has an extra return statement at the end
   It does not compile since you can have only one return statement in a function
```

Partial Question 12 0.5 / 1 pts

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

It does not compile because you can't use digit as a switch selector

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

- ☐ 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 does not compile because you are missing the else
- $\hfill \square$ It compiles and produces the correct output in all cases





Question 15	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 hundreds(int n) { return digit(n, "CDM"); } string digit(int digit, const string& symbols) { } cout << hundreds(4) << endl;</pre>				
○ CDM				
● CD				
O DC				
O DM				
ОСМ				

