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

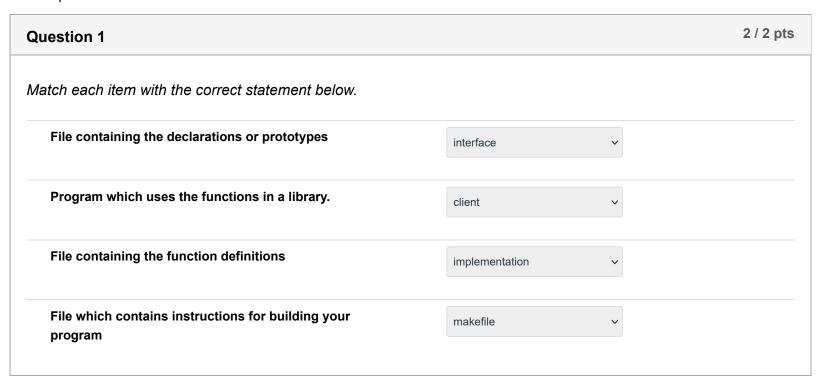
Take the Quiz Again

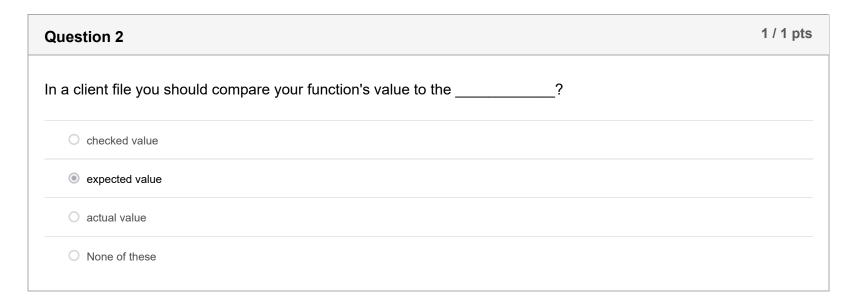
Attempt History

	Attempt	Time	Score	
KEPT	Attempt 6	18 minutes	15.5 out of 16	
LATEST	Attempt 6	18 minutes	15.5 out of 16	
	Attempt 5	15 minutes	13 out of 16	
	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	

① Correct answers are hidden.

Submitted Jun 28 at 11:36pm





Question 3	1 / 1 pts
In a library, the <i>interface</i> file:	
consists of function definitions	
consists of declarations or prototypes	
consists of instructions that produce the executable	
O None of these	

O consists of function calls

Question 4	1 / 1 pts
What kind of error is this?	
~/workspace/ \$./ex1 The Patriots won the 2018 Super Bowl	
None of these	
Type error (wrong initialization or assignment)	
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)	
O Syntax error (mistake in grammar)	

```
What kind of error is this?

ex1.cpp:7:9: warning: missing terminating '"' character
    a = "hello world';
    ^
ex1.cpp:7:9: error: expected expression

Runtime error (throws exception when running)

Syntax error (mistake in grammar)

Linker error (something is missing when linking)

Type error (wrong initialization or assignment)

None of these

Compiler error (something is missing when compiling)

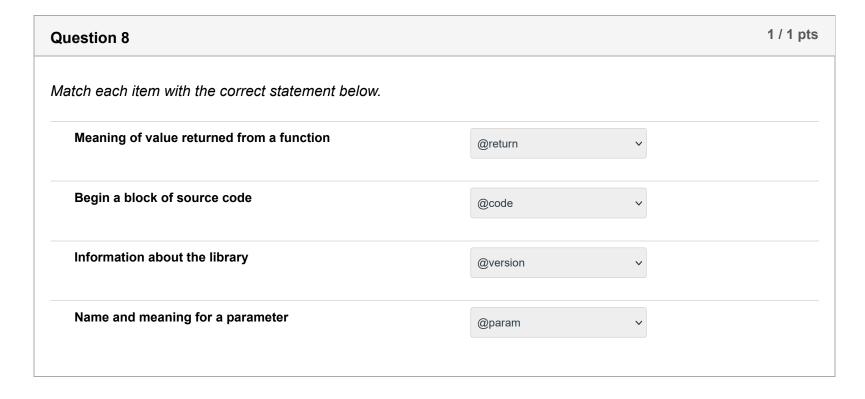
Operating system signal or trap
```

```
1 / 1 pts
Question 6
Which line in the function "skeleton" below contains an error?
#include "borgia.h"
                            // 1.
void primoTiara(int n)
                           // 2.
{
                           // 3.
   return 0;
                           // 4.
                           // 5.
}
   None of these
   O // 2.
   O // 5.
   0 // 1.
```



```
 // 4. // 3.
```

```
1 / 1 pts
Question 7
Which prototypes in the following header file contain errors?
#ifndef EXAMPLE_H
#define EXAMPLE_H
#include <string>
std::string f1(int a);
int f2(double);
void f3(std::string& s, int n);
double f4();
#endif
   ☐ f4
   ☐ f3
   None of these
   ☐ f1
   ☐ f2
```



```
Question 9

1/1 pts

What is the output of the following?

int i = 1;
while (i < 20)
{
    cout << i << " ";
    i = i + 2;
    if (i == 15)
    {
        i = 19;
    }
}

O 1 3 5 7 9 11 13 15 17

O 1 3 5 7 9 11 13 15 17 19</pre>
```



```
1 3 5 7 9 11 13 191 3 5 7 9 11 13 17 19
```

```
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 "";
   O It gives the wrong output since you need case '0':, not case 0:
   It compiles and produces the correct output
   It does not compile because you can't use digit as a switch selector

    It does not compile since you can have only one return statement in a function

   O It does not compile since it has an extra return statement at the end
```

Partial Question 11 0.5 / 1 pts

In H07, one task is to write **stubs** for each of the functions in the library. Below is an attempt to do that. What is the problem?

```
std::string barCode(int zip); { return ""; }
std::string codeForDigit(int digit); { return ""; }
int checkDigit(int zip); { return ""; }
the braces are formatted incorrectly
```

☐ the wrong values are being returned

you are returning the wrong type from some functions

you have not removed the semicolons from the prototypes

☐ There is nothing wrong with the stubs. They are fine

☐ you have not removed the std:: from the prototypes

Question 12 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;
  }
  if (sum % 10 != 0)
    return 10 - sum % 10;
  return 0;
}

It does not compile because you are missing the else

It compiles and produces the correct output in all cases

It produces the wrong output if sum is evenly divisible by 10

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
```

```
Question 13
In H08 you need to complete the digit() function. What should replace the blank line below?

string digit(int digit, const string& symbols)
{
    string one = symbols.substr(0, 1);
    string five =
        string ten = symbols.substr(2, 1);

    symbols.substr(0, 2);
    symbols.substr(1, 1);
    symbols.substr(1, 2);
    symbols.substr(0, 1);

    None of these are correct
```



