Midterm 2 Study Guide

Due No due date Points 25 Questions 25 Time Limit 30 Minutes Allowed Attempts Unlimited

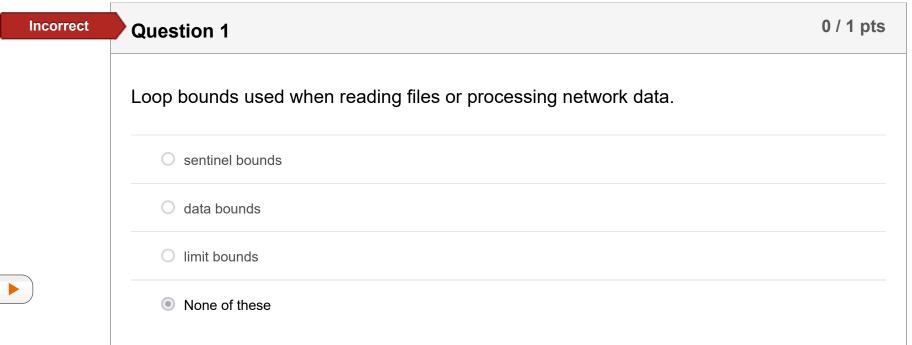
Take the Quiz Again

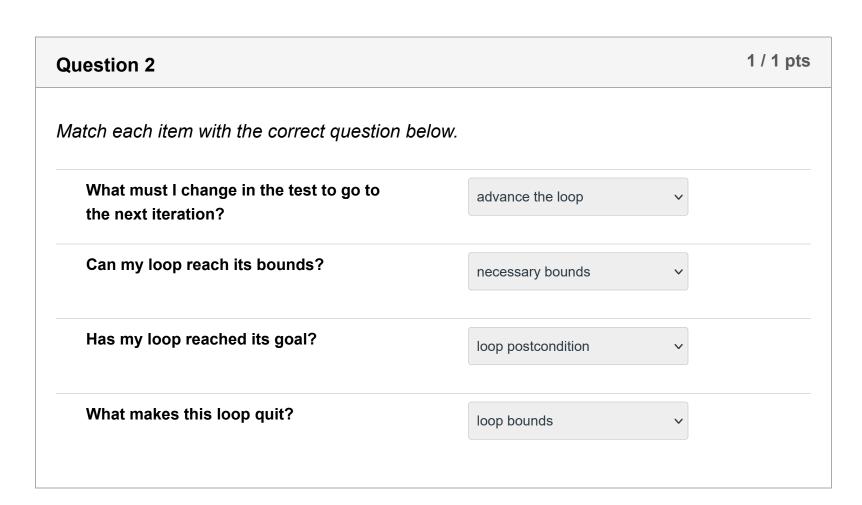
Attempt History

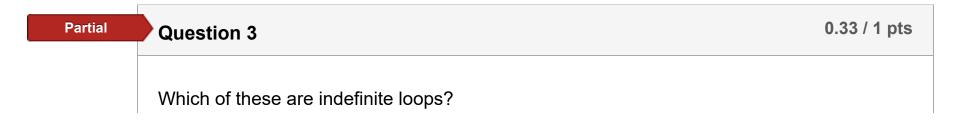
	Attempt	Time	Score	
KEPT	Attempt 1	30 minutes	18.33 out of 25	
LATEST	Attempt 2	16 minutes	16.17 out of 25	
	Attempt 1	30 minutes	18.33 out of 25	

① Correct answers are hidden.

Submitted Jun 27 at 6:16pm

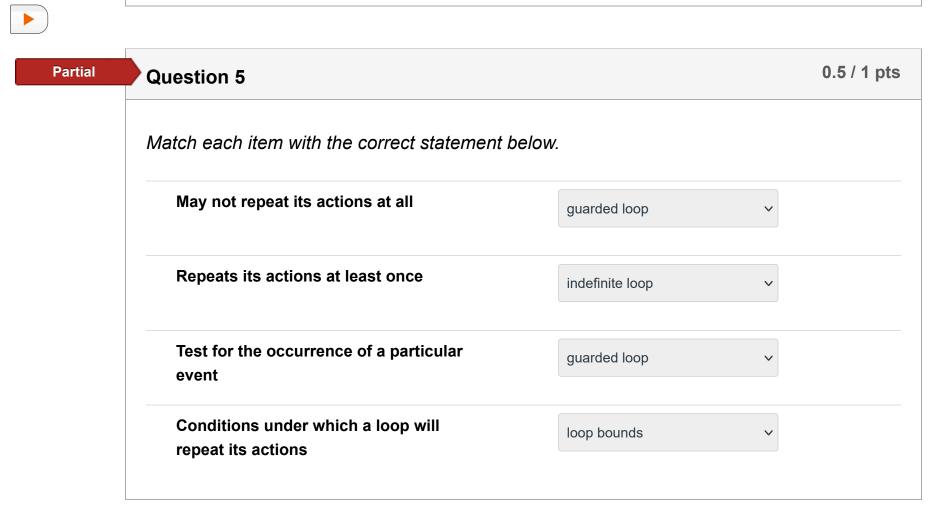






☐ data loops	
☐ limit loops	
☐ counter controlled loops	
sentinel loops	

Question 4 1/1 pt	S
Look at the problem statement below. The of the loop is to count the number of characters in a sentence.	f
How many characters are in a sentence? Count the characters in a string until a period is encountered. If the string contains any characters, then it will contain a period. Count the period as well.	
Obounds	
goal	
O plan	
O None of these	





In the classic for loop, loop control variables going from 0 to less-than n are said to employ:

None of these
asymmetric bounds
symmetric bound
intentional bounds

Question 8

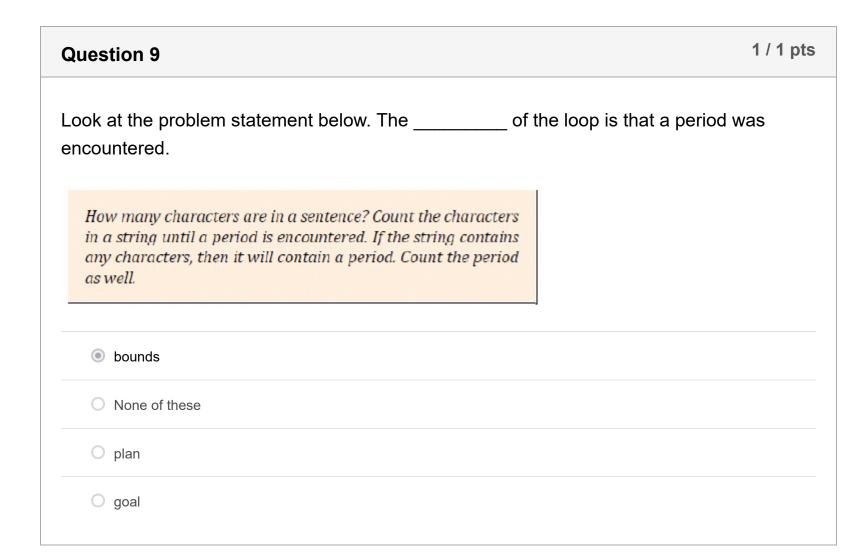
Loop bounds often used in scientific and mathematical applications.

sentinel bounds

None of these

limit bounds

data bounds





Incorrect Question 10 0 / 1 pts

```
How many lines of output are printed?
int count = 0;
while (count != 9)
{
    cout << "Monster Mash" << endl;</pre>
    if ((count % 2) == 0)
        count++;
    }
    else
        count--;
    }
}
   0 10
   Infinite
   9
   0 8
```

Incorrect

Question 11 0 / 1 pts

Default arguments allow you to write several different functions that have the same name.

True

O False

Question 12 1 / 1 pts

How many lines of output are printed?

```
int i = 0;
int j = 0;
while (i < 25)
{
    i = i + 2;
    j++;
}
cout << j << endl;</pre>
```

13

0

O 12

Question 13 To allow f() to accept the argument passed here, the parameter str should be declared as: void $f(\ldots str)$; int main() { f("hello"); } ostring& const string oconst string& It is not possible for f() to change the argument passed here.

ncorrect

o string

Question 14 0 / 1 pts

Assume that the input is 4 4 3 2 5. What will print?

Question 15	1 / 1 pts
Overloaded functions have the same name but different parameter types.	
True	
O False	

Question 16	1 / 1 pts
Overloaded functions have the same name but different parameter names.	
O True	
False	

```
What kind of error is this?

ex1.cpp:7:9: warning: missing terminating '"' character
    a = "hello world';
    A

ex1.cpp:7:9: error: expected expression

None of these

Type error (wrong initialization or assignment)

Operating system signal or trap

Linker error (something is missing when linking)

Syntax error (mistake in grammar)

Compiler error (something is missing when compiling)

Runtime error (throws exception when running)
```

```
What is the value of r("xhixhix")?

string r(const string& s)
{
   if (s.size()) {
      auto c = s.at(0);
}
```



Examine the code below:

int mystery3(int n) {
 if (n < 2) return 1;
 return n * mystery3(n - 1);
}

mystery3 is efficient

mystery3 returns the correct answer for all inputs

In mystery3 is an implementation of the Factorial algorithm. It completes for all inputs, but negative inputs produce the wrong output. It is efficient and it is not a wrapper. If (n < 2) is a base case.

Question 20	1 / 1 pts
Assume you have a char variable named ch. How do you "unread" a character all read?	ready
○ None of these	
<pre>O cin.get(ch);</pre>	
<pre>Cin.unget(ch);</pre>	

O cin.peek(ch);			
O cin.seek(ch);			
<pre>cin.putback(ch);</pre>			

Question 21	1 / 1 pts
Stream arguments to a function should always be passed:	
O None of these	
O by const reference	
by reference for input, and const reference for output	
by reference	
O by value	
O by value	

```
Question 23

1 / 1 pts
```



When using the get() member function to read a character, leading whitespa	ace is skipped.
O True	
False	

Question 24	1 / 1 pts
Stream arguments to a function should:	
O be as specific as possible (istream, ifstream or istringstream)	
O be copied before being passed	
be as general as possible (istream and ostream)	
O never be the cin or cout objects	
O None of these	

Incorrect Question 25 0 / 1 pts

