Due No due date Points 25 Questions 25 Time Limit 30 Minutes

Allowed Attempts Unlimited

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## Attempt History

	Attempt	Time	Score
KEPT	Attempt 26	16 minutes	25 out of 25
LATEST	Attempt 26	16 minutes	25 out of 25
	Attempt 25	18 minutes	24 out of 25
	Attempt 24	15 minutes	25 out of 25
	Attempt 23	21 minutes	24 out of 25
	Attempt 22	24 minutes	24 out of 25
	Attempt 21	18 minutes	24 out of 25
	Attempt 20	30 minutes	19 out of 25
	Attempt 19	20 minutes	23 out of 25
	Attempt 18	30 minutes	21 out of 25
	Attempt 17	30 minutes	23.5 out of 25
	Attempt 16	30 minutes	24 out of 25
	Attempt 15	30 minutes	21 out of 25
	Attempt 14	30 minutes	23 out of 25
	Attempt 13	24 minutes	22 out of 25
	Attempt 12	16 minutes	24 out of 25
	Attempt 11	17 minutes	19 out of 25
	Attempt 10	17 minutes	22 out of 25
	Attempt 9	20 minutes	20 out of 25
	Attempt 8	21 minutes	20 out of 25
	Attempt 7	25 minutes	21.5 out of 25
	Attempt 6	25 minutes	21 out of 25
	Attempt 5	30 minutes	17 out of 25
	Attempt 4	21 minutes	23 out of 25
	Attempt 3	26 minutes	19.89 out of 25
	Attempt 2	30 minutes	22.5 out of 25
	Attempt 1	27 minutes	21 out of 25

① Correct answers are hidden.

Submitted Jul 20 at 1:19pm

```
What happens with the following section of code?

Cout << "Enter 1, 2 or 3: ";
int n;
cin >> n;
#if 1
cout << "You entered 1" << end1;
#elif 3
cout << "You entered 2" << end1;
#elif 3
cout << "You entered 3" << end1;
#else
cout << "Invalid value" << end1;
#endif

© Compiles, but only prints "Invalid value"

Compiles and prints the correct value entered by the user.
```

Question 2

What is true about this piece of code?

```
template <typename T, typename U>
T pickle(T& a, const U& b) {
    a += b;
    return b;
}
int main()
{
    int x = 42;
    auto a = pickle(x, 4.5);
    cout << a << endl;
    cout << x << endl;
}

| In main, x prints 45.5
| In main, a prints 45.5
| In main, x prints 46.5
| In main, x prints 46.5
| In main, x prints 46.5
| In main, x prints 46.5</pre>

Question 3

1/1 pts

Without try and catch, the throw statement terminates the running program.
```

Question 3	1 / 1 pts
Without try and catch, the throw statement terminates the running program.	
True	
○ False	

Question 4	1 / 1 pts
The preprocessor operates on code <b>after</b> it has been compiled.	
O True	
False	

```
Question 5

Which line fails to work correctly?

template <typename T>
void print(const T& item)
{
    cout << item << endl;
}

® None of these

print(2 + 2);

print(string("goodbye"));

print(3 + 2.2);

print("hello");
```

Question 6	1 / 1 pts
A function template may be declared in a header file but must be defined in an implementation file.	
O True	
False	

Question 7	1 / 1 pts



True



None of these are correct

O p + w + (h - 1)

p + w \* (h - 1)

O p + w \* h

```
Question 20

The value for the variable d is stored:

int a = 1;
void f(int b)
{
   int c = 3;
   static int d = 4;
}

   The example does not provide enough information
   on the heap
   in the static storage area
   in the CPU machine registers
   on the stack
```

Assume that ppi correctly points to pi. Which line prints the value stored inside pi?

int main()
{
 double pi = 3.14159;
 double \*ppi;
 // code goes here
 // code goes here
}

 cout << \*ppi;
 cout << &ppi;
 cout << &ppi;
 cout << ppi;
 None of these

Array subscripts are not range checked

True

False

Question 23

The variable buf is a pointer to a region of memory storing contiguous int values. (This is similar to your homework, where you had a region of memory storing unsigned char values.) The four lines shown here are legal. Which operation is illegal?

int \*p1 = buf;
const int \*p2 = buf;
int \* const p3 = buf;
const int \* p4 const = buf;

p3++;

p1++;

p1++;

p2++;

Question 24	1 / 1 pts
The allocated size of a built-in C++ array cannot be changed during runtime.	
True	
O False	



Question 25

Examine this version of the swap() function. How do you call it?

void swap(int \* x, int & y) {
 . . .
}
 . . .
int a = 3, b = 7;
// What goes here ?

o swap(&a, &b);

swap(&a, b);

○ swap(a, b);

O swap(a, &b);

O None of these