Due No due date Points 15 Questions 17 Time Limit None Allowed Attempts Unlimited

Take the Quiz Again

Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	14 minutes	13.5 out of 15
LATEST	Attempt 2	14 minutes	13.5 out of 15
	Attempt 1	21 minutes	12 out of 15

What is printed here? (Assume all includes have been added. Assume 4-bytes per int, 8 bytes per pointer.)

size_t len(const int a[]) {
 return sizeof(a) / sizeof(a[0]);
}

int main() {
 int a[] = {2, 4, 6, 8};
 cout << len(a) << end1;
}

orrect

Does not compile

```
Question 4

What is printed here? (Assume all includes have been added. Assume 4-bytes per int, 8 bytes per pointer.)

size_t len(const int* a, const int* b)
{
    return b - a;
}

int main()
{
    int a[] = {2, 4, 6, 8};
    cout << len(a, a + 3) << end1;</pre>
```

```
1 / 1 pts
           Question 5
           What is printed here? (Assume all includes have been added.)
           int odds(int a[], size_t len)
           {
               int sum = 0;
               for (size_t i = 0; i < len; i++)
                  if (a[i] % 2 == 1) sum += a[i]++;
               return sum;
           }
           int main()
           {
               int a[] = {1, 3, 5};
               cout << odds(a, 3) << odds(a, 2)</pre>
                  << odds(a, 1) << endl;
           }
              999
              0 941
Correct!
              900
              300
              O Does not compile
```

	Question 6	
	What is the correct prototype for mystery? (It is not supposed to modify the array.) const int a[] = {2, 4, 6, 8}; cout << mystery(a, 4) << endl;	
	<pre>O int mystery(int a[], size_t n);</pre>	
Correct!	<pre> int mystery(const int *a, size_t n); </pre>	
	<pre>O void mystery(const int a[], size_t n);</pre>	
	<pre>O int mystery(const int[] a, size_t n);</pre>	
	<pre>O int mystery(const int a*, size_t n);</pre>	

After passing an array to a function, sizeof(a)/sizeof(a[0]) will tell the number of elements in the array.

You Answered

True

Correct Answer

False

```
Question 8

If p points to the first element in [1, 3, 5] then cout << *++p prints 3.

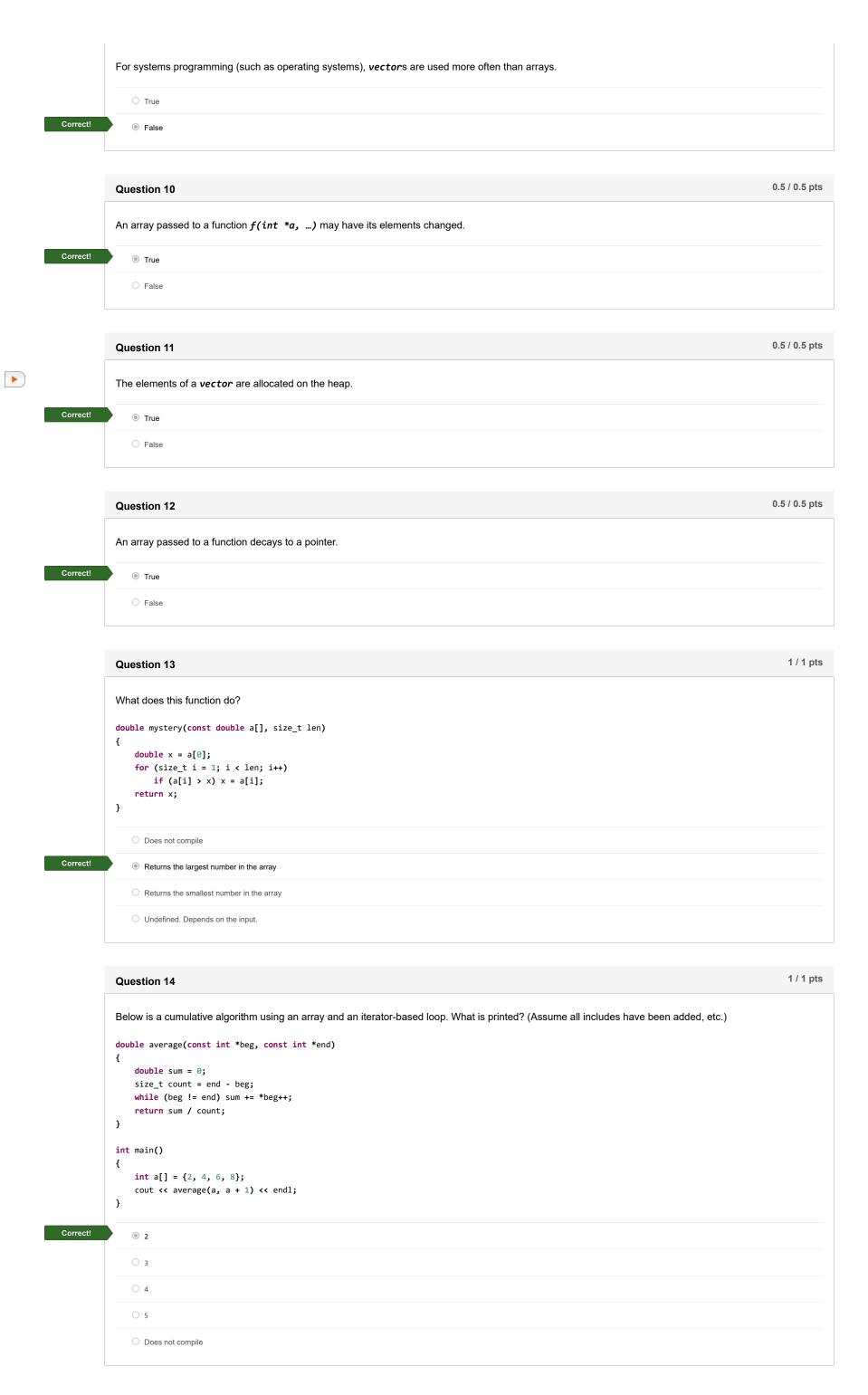
Correct!

• True

• False
```

Question 9

0.5 / 0.5 pts



```
0 / 1 pts
              Question 15
             Below is a cumulative algorithm using an array and an iterator-based loop. What is printed? (Assume all includes have been added, etc.)
             double average(const int *beg, const int *end)
             {
                 double sum = 0;
                 size_t count = end - beg;
                 while (beg != end) sum += *beg++;
                  return sum / count;
             }
             int main()
             {
                 int a[] = {2, 4, 6, 8};
                  cout << average(a + 1, a + 3) << endl;</pre>
You Answered
                 2
                 О 3
                 O 4
Correct Answer
                 O 5
                 O Does not compile
```

```
1 / 1 pts
Question 16
What is printed?
int mystery(const int a[], size_t n)
{
   int x = n - 1;
    while (n > 0)
       n--;
       if (a[n] < a[x]) x = n;</pre>
   return x;
}
int main()
{
   int a[] = {1, 2, 5, 2, 5, 4};
   cout << mystery(a, 6) << endl;</pre>
   0 1
   O 2
   O 3
   O 4
   None of these
```

Correct!

Correct!

```
1 / 1 pts
Question 17
What does this function do?
int mystery(const int a[], size_t n)
{
     int x = n - 1;
     while (n > 0)
         n--;
         if (a[n] < a[x]) x = n;
    return x;
}
    O Does not compile
    O Returns the largest number in the array
    O Returns the index of the first occurrence of the smallest number in the array

    Returns the index of the last occurrence of the smallest number in the array

    Returns the smallest number in the array
```