(!) This quiz has been regraded; your score was affected.

Ωμίz 3 (Spring 2025)

→ Jue Mar 6 at 6:30pm

- Points 20
- Questions 10
- Available Mar 6 at 5:30pm Mar 11 at 11:55pm
- Time Limit 20 Minutes

Instructions

By taking this quiz, you confirm you are in the classroom unless you have specific permission to take it remotely.

You are expected to take this quiz with no outside help, no internet resources. It is closed book, closed notes, closed Discord, etc. Once you start this quiz, keep your computer focused on this quiz. Do not open any other windows while taking the quiz.

Good Luck.

This quiz was locked Mar 11 at 11:55pm.

Attempt History

	Attempt	Time	Score	Regraded
LATEST	Attempt 1	7 minutes	12 out of 20	14 out of 20

Score for this quiz: 14 out of 20 Submitted Mar 6 at 5:55pm This attempt took 7 minutes.

Question 1

0 / 2 pts

Suppose I have a file numbers.dat with the numbers 1 through 100 sorted, one number per line. What will be printed on the screen if I type this command sequence:

\$ more numbers.dat | tail -10 | head -5 | tail -1



You Answered

1

Correct /



none of these answers is correct

5

```
Question 2
2 / 2 pts
Consider this complete program
#include <iostream>
using namespace std;
int mystery(int a, int & b)
{
  a += 5;
  b += 5;
  return a + b;
}
int main()
 int x = 10;
 int y = 20;
 int z = mystery(x, y);
 cout << x << "/" << y;
}
What prints to the screen?
Correct!
• 10/25
0 40/30
35/40
30/40
```

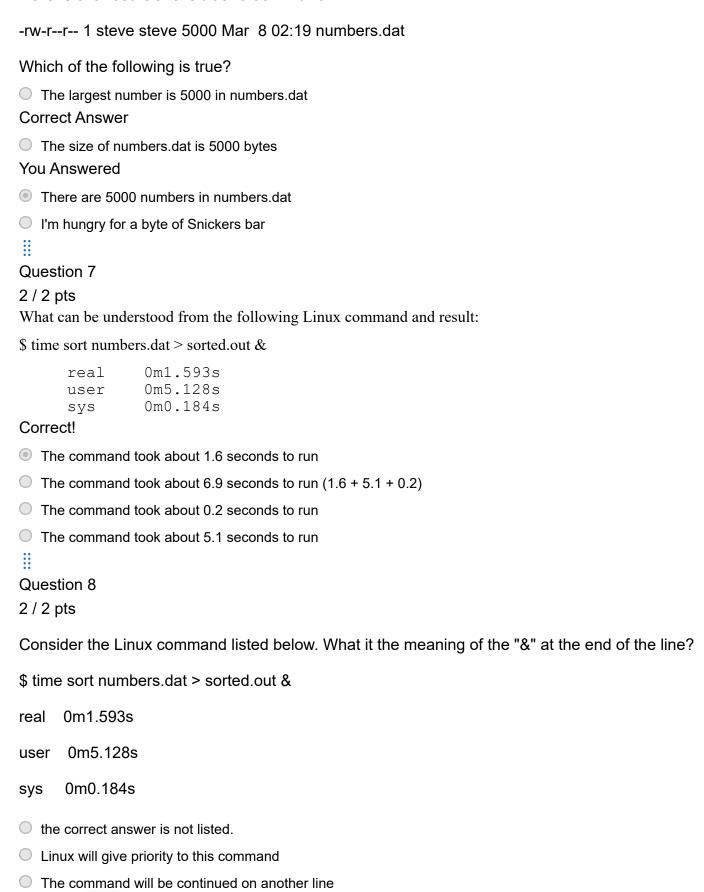
Question 3

! This question has been regraded.

Original Score: 0 / 2 pts Regraded Score: 2 / 2 pts

```
Also consider the this function:
      void printArray(int n[], int size)
      {
             for(int i=0; i < size; i++)</pre>
                  cout << n[i]<<endl;</pre>
      }
How many numbers will the printArray() function actually print out?
0 10
0 1
You Answered
all the numbers in the array
Correct Answer
5
Question 4
2 / 2 pts
Suppose I run the bubble sort function on 10,000 numbers and it takes 2 seconds.
About how long will it take the same function to sort 20,000 numbers?
12 seconds
4 seconds
Correct!
8 seconds
24 seconds
Question 5
2 / 2 pts
What is the expected growth rate of the bubble sort algorithm?
O (n)
O (n * log(n))
Correct!
O (n^2)
Oh No!!!!!!!
Question 6
0 / 2 pts
Suppose I troe this at the Linux prompt:
$ Is -I nu
```

Here is the result of the above command:



mand in the background

Correct!

Run this

Question 9

2 / 2 pts

How many parameters does the bubbleSort() function need?

0 1

Correct!

- 2
- **3**
- 0

Question 10

0 / 2 pts

Suppose I create a program called prog1 that accepts command line parameters. Suppose I type this command at the Linux prompt:

\$ prog1 small medium large xtra-large

Suppose there is a line of code in the program that looks like this:

cout << argv[3];

What will be printed to the screen?

Correct Answer

large

You Answered

- the correct answer is not listed
- medium
- small

Quiz Score: 14 out of 20

