

[Quizzes](#)**Review Test Submission: Quiz 10**

## Review Test Submission: Quiz 10

User	Kevin Michael Wong
Course	XLS-CS-265-001/2/3/4/5/6-XLIST-201815
Test	Quiz 10
Started	12/2/18 7:03 PM
Submitted	12/2/18 7:08 PM
Due Date	12/3/18 10:00 AM
Status	Completed
Attempt Score	49 out of 50 points
Time Elapsed	4 minutes out of 20 minutes
Results Displayed	All Answers, Submitted Answers, Correct Answers

### Question 1

4 out of 4 points

The `test` utility reports the runtime of a program

Selected Answer: ☒ False

Answers: ☐ True  
☒ False

### Question 2

4 out of 4 points

Making a program faster is always more important than robustness and clarity

Selected Answer: ☒ False

Answers: ☐ True  
☒ False

### Question 3

4 out of 4 points

A *hotspot* in your code is where errors are more likely to occur

Selected Answer: ☒ False

Answers: ☐ True  
☒ False

**Question 4**

4 out of 4 points

The first rule of optimisation is "*don't*"

Selected Answer: ☒ True

Answers: ☒ True  
☐ False

**Question 5**

4 out of 4 points

The `time` utility shows you the time, in 24-hour format.

Selected Answer: ☒ False

Answers: ☐ True  
☒ False

**Question 6**

7 out of 8 points

How does a tester create test cases for *black box* testing

Selected Answer: The tester can create test cases that will check for the desired output

Correct Answer: Look at the specs.

☒ Test outputs and other behaviors against inputs.

**Question 7**

6 out of 6 points

A program with a quadratic run time takes  $t$  seconds to run, when given an input size  $n$ . If the same algorithm is given input of size  $2n$ , then the program will take approximately how many seconds?

Selected Answer: ☒ a.  $4t$

Answers: ☒ a.  $4t$   
☐ b.  $2t$   
☐ c.  $t$   
☐ d.  $6t$

**Question 8**

4 out of 4 points

Always start with the simplest, cleanest algorithms and data structures

Selected Answer: ☒ True

Answers: ☒ True


False

### Question 9

8 out of 8 points

For *white box* tests, what would the tester look at to create test cases?


Selected Answer: The tester will look at condition coverage, path coverage, and loop boundaries.

Correct Answer:  Every branch path, and loop boundaries.

### Question 10

4 out of 4 points

Any improvement in the code will improve the asymptotic run time

Selected Answer:  False

Answers: True  
 False

Tuesday, December 11, 2018 1:45:00 AM EST

← OK