



Review Test Submission: Quiz 6N

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Course	XLS-CS-265-001/2/3/4/5/6-XLIST-201815
Test	Quiz 6N
Started	10/28/18 4:26 PM
Submitted	10/28/18 4:46 PM
Due Date	10/29/18 10:00 AM
Status	Completed
Attempt Score	30 out of 50 points
Time Elapsed	20 minutes out of 20 minutes
Results Displayed	All Answers, Submitted Answers, Correct Answers, Feedback, Incorrectly Answered Questions

Question 1

4 out of 4 points



Each node in a binary tree has exactly 2 children

Selected Answer: ☒ False

Answers: ☐ True
☒ False

Question 2

5 out of 5 points



What is wrong with the following code? No need to fix it, just let us know what's wrong with the code. (It's not the syntax, don't go there.)

```
# return largest element of L
def max( L ) :
    mi = 0
    for i in range( 1, len( L ) ) :
        if L[i] > L[mi] :
            mi = i
    return mi
```

Selected Answer: It should return L[i] because you want the largest element

Correct Answer: ☒ Comment doesn't jibe w/the code. Says the function returns the largest element. It returns the index of the largest element.

Response [None Given]
Feedback:

Question 3

0 out of 4 points



Every subtree of a binary search tree is a binary search tree

Selected Answer: ☒ False

Answers: ☒ True
☐ False

Question 4

4 out of 4 points



Elements in a list can be accessed in constant time

Selected Answer: ☒ False

Answers: ☐ True
☒ False

Question 5

4 out of 4 points



The linear search can always be used on any array

Selected Answer: ☒ True

Answers: ☒ True
☐ False

Question 6

4 out of 4 points



Elements in an array can be accessed in constant time

Selected Answer: ☒ TrueAnswers: ☒ True
☐ False

Question 7

0 out of 4 points



Elements can be added to the beginning of an array in constant time

Selected Answer: ☒ TrueAnswers: ☐ True
☒ False

Question 8

0 out of 8 points



Fix the following code

```

if bSteadyBreeze :
    if bEbbTide :
        if not bFreezing :
            setSail()
        else :
            print "Too slippery"
    else :
        print "Wait a little while"
else :
    print "Need the iron sail"

```

Note: Choose "Formatted Code" from the Format drop-down, and choose "Andale Mono" for the font.

Selected Answer:

```

if bSteadyBreeze:
    if bEbbTide:
        if not bFreezing:
            setSail()
        else:
            print("Too slippery")
    else:
        print("Wait a little \nwhile")
else:
    print("Need the iron sail")

```

Correct Answer: ☒

Response Feedback: if not bSteadyBreeze : print "Need the iron sail" elif not bEbbTide : print "Wait a little while" elif bFreezing : print "Too slippery"

Question 9

4 out of 4 points



The binary search can always be used on any array

Selected Answer: ☒ FalseAnswers: ☐ True
☒ False

Question 10

5 out of 5 points



What is wrong with the following code? No need to fix it, just let us know what's wrong with the code. (It's not the syntax, don't go there.)

```

/* this is C or Java code */
if( month==FEB )
    days = 28 ;
    if( isLeapYear() )
        days += 1 ;

```

Selected Answer: You have perecenteces between if statements.

Answer:

Correct Answer: ☒

We need curly braces. The 2nd if stmt is not nested inside the body of the first. A day is added for leap year, regardless of month.



Response Feedback: [None Given]

Question 11

0 out of 4 points

Elements can be added to the beginning of a list in constant time



Selected Answer:  False
Answers:  True
False

Sunday, December 2, 2018 10:46:48 PM EST

← OK