

CSc 372, Fall 2006; Quiz 6; Time: 3:00; Value: .9+3 points

1. For the following, assume `s = "testing"`.
 - (a) What is the value of `s[2, 3]`?
 - (b) What is the value of `s[20]`?
 - (c) What is the value of `s` after `s[1..-2] = "x"`

2. `a` is an array consisting of a mix of strings and arrays. Write a method `all_sizes(a)` that returns an array of the sizes of the elements of `a`, regardless of whether each element is a string or an array. Example:

```
>> all_sizes ["abcd", [0, 0], "x", [[1, 2]] ]  
=> [4, 2, 1, 1]
```

Reminder: `x.is_a? Array (or String)` can be used to test the type of `x`.

3. Extra credit (1 point): What is "duck typing"?

Please put your CS login in the upper left hand corner of the page. Thanks!