Presentation 8

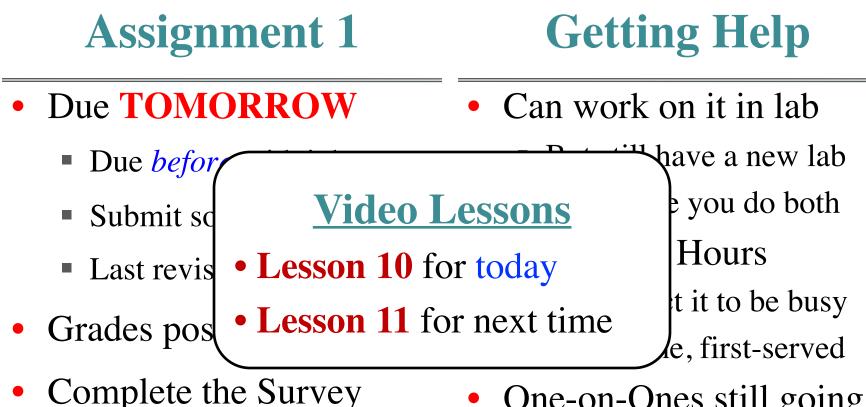# **Algorithm Design**

Announcements For This Lecture

Assignment 1

- Due **TOMORROW**
  - Due *before* midnight
  - Submit something…
  - Last revision Oct. 7
- Grades posted Friday
- Complete the Survey
  - Must answer individually

Getting Help

- Can work on it in lab
  - But still have a new lab
  - Make sure you do both
- Consulting Hours
  - But expect it to be busy
  - First-come, first-served
- One-on-Ones still going
  - Lots of spaces available

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Video Lessons

- **Lesson 10** for today
- **Lesson 11** for next time

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Recall: Designing Tests

def disemvowel (s):

"""Returns a copy of s with vowels removed

Vowels are a, e, i, o, and u. y is not a vowel

Example: disemvowel('boat') returns 'bt'

Parameter s: a string to disemvowel

Precondition: s is a nonempty string of lowercase letters"""

How Many Valid, Different Tests?

Input	Output
'aeiou'	''
'heat'	'ht'
'bather'	'bthr'
'sky'	'sk'
'Ashen'	'shn'
'al2'	'l2'
15.0	**ERROR**

A: 2
B: 3
C: 4
D: 5
E: 6

A Function Stub

```python
def anglitime(time):
    """Returns a full english word for time

    The value return is a string with format 'hours, minutes'.

    Examples:
        anglitime('23:01') returns 'twenty three hours, one minute',
        anglitime('1:45') returns 'one hour, forty five minutes'
        anglitime('00:00') returns 'zero hours, zero minutes'

    Precond: time a string 'hh:mm' or 'h:mm'
    where h, m digits. mm are in 0 to 59."""
```

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Let's work on this together!

Questions?