

# Homework - Week 4

CS 101

Due: Wednesday, October 3rd

1. Determine if this url is in the Google index:  
`http://www.haverford.edu/computerscience/courses/cmssc101/test.html`  
Give your answer and the search you used to find out.
2. What is the difference between a search engine index and a search engine's ranking algorithm?
3. Read "Power, Pollution, and the Internet" by James Glanz<sup>1</sup> and answer the following questions:
  - (a) What is a data center?
  - (b) What is something you as an individual could do to lower your impact on the energy used by the data centers that hold the information of the internet? I.e., what is the cloud data equivalent of recycling?
4. Have you registered to vote? Answers of yes will receive full credit. If you are not allowed to vote in the upcoming election, you may say yes to receive full credit. Be sure to write down your yes or no answer.

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<sup>1</sup><http://www.nytimes.com/2012/09/23/technology/data-centers-waste-vast-amounts-of-energy-belying-industry-image.html>