CSCI 101 includes reading/writing assignments in order to help meet the ABET accreditation criteria of training students to have “the ability to communicate effectively”. In this assignment, you are to read an article and then write responses to the following questions. Your written responses must be in your own words. Full credit is only possible for grammatically correct responses. Use appropriate citations for any source you use besides the paper listed below.

How to stop data centres from gobbling up the world’s electricity
By Nicola Jones
September 12, 2018
https://www.nature.com/articles/d41586-018-06610-y

After reading the article listed above, answer the following questions. Your total response should be approximately a page, single spaced (typed).

1. (3 points) Do you think optimizations will offset the growth in demand for data processing or do you think that data centers are going to have a much larger environmental impact in the near future? Justify your response.

2. (5 points) What innovation in energy efficiency mentioned in the article do you think will have the most profound effect in the near future? Search the Internet for information about this innovation and discuss three things you learned.

3. (2 points) What new technology do you think will create the largest demand for data centers and data processing?