1. Define “computer science” using  two of the key points you read about in the Boston University article that defined CS.   (What is CS?  What is NOT considered CS?)

Computer science is the study of computers and how they work. It covers the history behind the science, what happens inside computers, and how to develop tools to use the technology easier.

2.  *“Computer scientists envision a world in which computers are pervasive and seamless.  The golden age has barely begun.”*   What does this mean?  Use key reasons from the readings.

This quote is telling us that computer scientists want computers to be so perfect, flawless, and fluid that they are unable to be distinguished in everyday life. Computers should improve quality of human life but not intrude. That is what computer scientists want to accomplish in the future.

1. What is “long-term perspective”?

Long term perspective is focusing on where one will be far in their future. Having a long-term perspective, you plan long term goals which aid in finding jobs and education. For example, doing things that won’t help you in the long-term may not help you in your future. Like taking a class because your friends are in it vs. one you are genuinely interested in and wish to pursue a career in.

1. Define “fixed mindset.”  Is it a good thing?

Someone with a fixed mindset does not believe that they can do certain things just because of who they are. They are not optimistic about learning new things and because they tell themselves that they will fail, they often do.

1. Use pseudo code and write an algorithm that describes the process you use to get from your homeroom to your first period class.

* Stand up
* Grab backpack
* Walk straight out of the door to room 107
* Turn right
* Continue walking
* Turn right again at next available right turn
* Continue walking
* Turn left at 2nd available left turn
* Follow hallway until next left turn
* Continue walking
* Turn left into Mrs. Zackey’s Latin III class

1. If you were to select CS as your career path, which one of the ACM "sub" paths (Designing and Building Software, Devising New and Better Ways of Using Computers, Developing Effective Ways to Solve Computing Problems) would you most likely choose and why.

If I were to select CS as my career path I would most likely choose to design and build software. For most of my life I believed I would become an animator, artist or illustrator of some sort. My favourite things always included creativity as an important trait. There’s nothing more satisfying than finishing a painting and with writing code I feel the same satisfaction. I would love to apply my creativity to the newest art platform!

1. Give real-life examples of both the positive side and negative side of artificial intelligence.  Cite examples we used in class and any others you've read about on your own.

When I think of AI I think of 2001: A Space Odyssey. The Robot, HAL 9000 becomes self-aware and kills the entire crew! As unrealistic as that movie is… The possibility of a real life HAL is almost definite. Though AI could replace millions of jobs, it would also leave humans sort of… useless. AI should only be used in small doses and under a controlled/restricted environment. Though I’d love to just see what robots are capable of!