Databases Week 2 Exercises Out of class-

**1 Suppose that you had to explain to a friend the concept of an information system. How would you define it? Write a one-paragraph description in your own words that you feel would best describe an information system to your friends or family.**

An information system is made of 5 main components this is software, hardware, people, process and most importantly data. Information systems are implemented in companies all over the world for gathering and sorting of relevant information which will help them if utilised correctly. This will help organisation to make more informed decisions regarding certain topics or to analyse and find emerging trends so that more focus can go into that area.

**2 Of the five primary components of an information system (hardware, software, data, people, process), which do you think is the most important to the success of a business organization? Write a one-paragraph answer to this question that includes an example from your personal experience to support your answer.**

Hardware is quite important in terms of processing power, as information systems rely on gathering data and analysing it which would require an algorithm. This can be very intensive if there is large chunks of data. This is why hardware is important, the more power the machine has the faster it can process data.

Software is objectively the most important as this is where the information would go to be analysed, having a robust and well developed program would make a world of difference with the results of the data and effectively managing resources both for the organisation and the machine it is on.

Data is objectively very important as the information recorded by organisations needs to be relevant to their desired purposes otherwise it will be useless. Having information that is relevant would boost the organisation as this can be utilised correctly.

Through my own personal experience, I have found that both hardware and software are impetrative to getting the task done at hand quickly and effectively. Hardware has allowed me to develop projects faster and run more smoothly this is because there is overall an increase power in computing performance with more demanding tasks.

Software I think in my experience is also very important as using the wrong software or outdated software will severely hinder progress as new software will be add extra functionality and short cuts and can utilise new features.

**4 Do you agree that we are in a post-PC stage in the evolution of information systems? Do some original research and cite it as you make your prediction about what business computing will look like in the next generation.**

I disagree with that we are in a post-PC stage, as this means we are after the stage of computers and on to something much more technologically advance. However, Quantum computers have not fully fledged yet but are being made and tested with complexed algorithms but they are extremely expensive and not something that is in a small form factor.

<https://techtalklive.org/ttlblog/are-we-in-a-post-pc-era/>