Assignment 1

Basic components of IT

1- Discuss the major components of a computer system
2- Differentiate between Data, Information, Knowledge and wisdom
3- Differentiate between how data is organized in a Computer System (bit,….., Database)
4- What is meant by Big data?
5- Compare between computer viruses and worms:
    i. How they invade the computers?
    ii. How do they spread in the computer?
    iii. Which will spread faster than the other, worms or viruses? Why?
6- What is the difference between a hacker and a cracker?
7- Discuss three computer crimes (Denial-of-service (DoS) attack, identity theft, click fraud)
8- What is meant by authentication? Give examples of different authentication techniques
9- What are the different hardware and software consideration?