

CS2019 Assignment 2

For the following questions, some answers can be found in the lecture notes. Some questions will be discussed during the lectures.

1. State the names of two earliest conceptual models of computer and in which years they were introduced.
2. What invention led US NASA possible to launch Apollo project and land module on moon?
3. What are the contributions of Samuel Morse and Abraham Bell in the history of computers?
4. State five essential components of a computer.
5. What is an operating system used for?
6. State the names of six operating systems that you can find in personal computers and cell phones.
7. The system that can facilitate information management is information system. Computer is clearly a part of an information system. By Laudon & Laudon, what is the definition of an information system?
8. Using a layered structure, describe the relationship amongst business operations, information systems and information technologies. Describe in your own words the difficulties in designing an information system.
9. Describe in your own words if it is possible to have an information system even though there is no electricity.
10. By management level, information systems could be classified as transaction processing systems, management information systems, decision support systems and executive information systems. Discuss which system is inevitable to an organization.
11. What are the difficulties in making an enterprise-wide information system?
12. From YouTube point of view, who are the customers of YouTube?
13. From Alibaba point of view, who are the customers of Alibaba?
14. From AirBNB point of view, who are the customers of AirBNB?