

**Question 1**

(a) Explain the following keyboard layouts:

- QWERTY
- DVORAK

(b) *Computer keyboard* layout followed *typewriter keyboard* layout. Why?

(c) Describe 2 situations in which *keyboard* might be preferred over *speech* for data entry/issuing command. Briefly explain your answer.

**Question 2**

(a) Describe 2 situations in which *speech* might be preferred over *keyboard* for data entry/issuing command. Briefly explain your answer.

(b) Explain why thermal printer is a better choice for ATM machines.

**Question 3 (*Present your answers using PowerPoint slides*)**

(a) “If a fill-in form have both text entry fields and multiple-choice selection fields then each input type should be grouped together.”

Do you agree with the above statement? Give reasons and an example (**own example**) to support your answer.

(b) Watch <https://www.youtube.com/watch?v=jbV5dGvJWyo>

Based on the video, list some of the common sense things that you should do to avoid neck, shoulder, arm and leg pains as well as eyestrains when using a computer. In other words, give advice on how to avoid health problems when using a computer.

(c) Find a similar video in youtube and **share** it with everyone in the class.

Video title: \_\_\_\_\_

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**Additional questions (on your own, i.e. questions below will not be discussed during tutorial)**

A PC usually equipped with a QWERTY keyboard, a mouse and a VDU. Would these be satisfactory interactional devices? What other input and/or output devices might be needed and why? (You may use a scenario or make an assumption to support your answer)

Discuss the types of input and output devices that you would use for the following system. For each system, indicate why the conventional keyboard, mouse and computer screen may be less suitable. (You should do some research to answer this question).

- (a) Global Positioning System (GPS)
- (b) Automated Teller Machine (ATM)
- (c) Tourist information system