**ACTIVITY No. 2 : THE COMPUTER**

**ACTIVITY 2.1: EXPLORING COMPUTER SYSTEM**

**Objective**

Examine a range of input and output devices in order to understand how they influence user interaction with the system.

**Materials**

Computer unit with input and output devices

Internet connection

Multimedia software

**Background**

After having an understanding of the aspects of human capabilities and behavior of which we need to be aware in the context of human-computer interaction, we now explore computer and its system which comprise various elements like input and output devices, virtual reality systems, etc. each of which affects the user of the system and look into how technology influences the nature of the interaction and style of the interface. 

**Procedure**

A typical computer system is comprised of a QWERTY keyboard, a mouse, and a color screen. There is usually some form of the loudspeaker as well. Answer the following questions:

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| 1. Know how the keyboard, mouse, and screen work by opening one or two programs installed in the computer unit. If you have no idea, research using the internet? |
| ANSWER:  The keyboard and command allow you to input commands, and the screen displays the program’s output. |
| Reference: https://edu.gcfglobal.org/en/computerbasics/getting-started-with-your-first-computer/1/ |
| 1. What sort of input does the keyboard support? |
| ANSWER:  Text input via keypresses. |
| Reference: https://www.lenovo.com/ph/en/glossary/input/ |
| 1. What sort of input does the mouse support? |
| ANSWER:  The mouse is an indirect manipulation device for pointing. |
| Reference: https://www.lenovo.com/ph/en/glossary/input/ |
| 1. Are these adequate for all possible applications? |
| ANSWER:  No, specialized input devices exist for artistic endeavors such as illustration or music creation. |
| Reference: https://doncorgi.com/blog/are-drawing-tablets-worth-it/ |
| 1. If not, to which areas are the most suited? |
| ANSWER:  Keyboards are most suited to text input and mice for pointing in 2d space. |
| Reference: https://www.lenovo.com/ph/en/glossary/input/ |
| 1. Do these areas map well onto the typical requirements for users of computer systems? |
| ANSWER: Yes, the average user can usually fulfill most endeavors on a personal computer using just a keyboard and mouse. |
| Reference: https://edu.gcfglobal.org/en/computerbasics/getting-started-with-your-first-computer/1/ |
| 1. If you were designing a keyboard for a modern computer and wanted to produce a faster, easier to use layout, what information would you need to know, and how would that influence the design? |
| ANSWER: I would need a deeper understanding of human usage patterns of letters in the English alphabet as well as a deeper understanding of ergonomics to determine a better optimized form of the keyboard. |
| Reference: https://scripts.sil.org/cms/scripts/page.php?id=keybrddesign&site\_id=nrsi |
| 1. Create your own version of a keyboard using any multimedia software and upload. |

A screenshot of a video game

Description automatically generated