

## **Assignment - 1**

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### **1.What is a computer?**

A computer is an electronic device that stores and processes data, often in binary form, in accordance with commands from a variable programme. It consists of hardware components like the Central Processing Unit(CPU),memory and storage, as well as software that enables users to interact with it. Computer are capable of executing complex calculations and running various applications.

### **2. What is RAM?**

RAM (Random Access Memory) is a type of computer memory that provides temporary storage for data and instructions that are actively used by the CPU. It allows for fast and random access to data, facilitating quick data retrieval and execution of tasks, RAM is volatile, meaning its contents are lost when the power is turned off.

### **3. Where is data stored in a computer?**

Data in a computer is primarily stored in secondary storage devices such as hard disk drives (HDDs) or solid-state drives (SSDs). These devices provide long-term storage for files, documents, programs, and other data. RAM (Random Access Memory) is used for temporary storage while the computer is in use.

### **4. What is that input device which is used to type text and number on a document in the computer system?**

The input device commonly used to type text and numbers on a computer system is called a keyboard.

### **5. What are the output devices?**

Output devices are components that display or present information to the user. Common examples include monitors, printers, speakers, projectors, plotters, and braille displays. Monitors provide visual output, printers produce hard copies, speakers play audio, projectors display images on screens, plotters draw detailed graphics, and braille displays convert information into Braille for visually impaired users. These devices enable users to perceive and interact with the output generated by a computer system.

### **6. Which is the input device that allows a user to move the cursor or pointer on the screen?**

The input device commonly used to move the cursor or the pointer on the screen is known as mouse.

## **7. Which language is directly understood by the computer without a translation program?**

The language directly understood by a computer without a translation program is known as machine language or machine code. Machine language consists of binary code (0s and 1s) that represents specific instructions and data understood by the computer's hardware.

## **8. What are Input devices?**

Input devices are components or peripherals used to provide data, commands, or instructions to a computer. The keyboard is a widely used input device, allowing users to enter text, numbers, and commands. Other common input devices include mice or trackpads for pointing and controlling the cursor on the screen, touchscreens that detect touch gestures and input, scanners for converting physical documents into digital format, microphones for capturing audio input, webcams for capturing video input, and joysticks or gamepads for gaming purposes. These devices facilitate user interaction with the computer system by converting physical actions or inputs into electronic signals that the computer can understand and process.