Assignment No: 9

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- Write a Short Note on Input / output system.

→ 1. It manages input / output data within System.

2. It evolves communication between CPU and memory.

3. It also perform IPC in between peripherals devices assigned with computers.

4. The Ilo organisation is critical for overall performance and efficiency of computer system.

5. It also involves specific data transmission, error checking and converting data formats.

* Key components of Ilo organisation:

1) Ilo modules:
     Acts as an peripheral device in between peripheral devices and CPU.

2) Buses:
     A bus is a communication system that transfer data between components or between computers.

3) Controllers 2 Adapters:
   Manages operation of peripheral devices.

6. It also provide compatibility and Capability in between Standard interfaces like USB or SATA.

- Techniques in I/o organisation:

1) Programmed I/o
2) Interrupt driven I/o
3) Direct memory access (DMA)

- challenges in I/o operations:

1. Concurrency
2. Performance
3. Error Handling
4. Security and safety.

- I/o organisation is vital aspect of system design as its influence,
1) Efficiency
2) Functionality
3) Fundability
4) Expandability
5) Data Transfer.

7. It also manages memory System and Scalability of system