Lecture 06 (Memory Types)

21 minutes wasted trying to get screen to be shared (make-up class was online)

1 Memory Types

1. Register
2. Cache
3. RAM
4. Disk Memory

Speed decreased from 1 to 4. Size increases. Cost per unit MB decreases.

2 Input/Output Types

1. High Speed
   - Peripheral Component Interconnect (PCI)
   - Universal Serial Bus (USB)
2. Low Speed
   - Inter-Integrated Circuit (I2C) bus
   - Serial Peripheral Interface (SPI) bus
   - Universal Asynchronous Receiver/Transmitter (UART)

2.1 PCI Express

1. Memory
2. Graphics adapter
3. Network interface

2.2 I2C

Master slave configuration

2.3 SPI