**Assignment 1 & 2**

1. **Compare and contrast the von Neumann and Harvard architectures. How do these architectures influence computer performance and function?**
2. **Analyze the impact of Moore's Law on computer evolution and performance. How has the doubling of transistor density affected the design and capabilities of computers over time?**
3. **Evaluate the trade-offs between performance, power consumption, and cost in modern computer design. How do designers balance these factors to create efficient and competitive computing systems?**
4. **Explore the challenges and opportunities associated with the future evolution of computer architecture. How might emerging technologies shape the future of computing?**
5. **Define I/O Module. What specific task or functionality does the I/O module perform?**

* **How does the module interact with other modules or components in the system?**
* **How does the module handle errors and exceptions?**