**In Class Exercise 5**

**CSCI 6307**

**Dr. Abraham**

Your Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ date:

Find partner (a different one) and work on this.

1. What is an operating system? What are the two major functions of an Operating system? What is needed for a computer to start and load Operating system? Why do operating systems use interrupts? Differentiate between software and hardware interrupt.
2. Why is a device driver needed for each of the IO device? What is DMA? What is the purpose of cache memory?
3. We discussed to types of user interface (shell), what are they? The part of the operating system users access through system calls is called?