Day-5 : Time, Delays and deferred works

1. Explore the concept of 'jiffies'. Write a simple character driver which supports only the read operation. Once the user application requested a 'read()' , initiate the read operation(on the driver side) after a certain delay, defined by DATA_DELAY. The delay value should be programmable using *ioctl* commands.

2. Explore kernel timers. Write a module program that uses the kernel timer and generates some output at regular intervals of time.

3. Explore tasklets. Write a simple char driver program that supports only read operation. Create a global buffer such that only a tasklet can fill in the buffer contents.
Now whenever a user-application calls read() on the device, schedule the tasklet and transfer the data to the user. Once the data is transferred, clear the contents of the buffer.

4. Explore workqueues. Implement the above program using workqueues.