

# **IS F462 Network Programming**

## **I semester 2014-15**

### **Lab9 Exercise**

Write a C program *sigiobatchclient.c* that does the following.

1. Consider a batch mode client which sends requests to a server without waiting for a reply. Whenever reply comes it reads it.
2. We have discussed implementation of this using processes, `select()`, non-blocking I/O and threads.
3. Program takes a filename on command-line. The file contains the webpages to be requested from *http://csis* website.
4. Program reads a line and sends HTTP HEAD request to csis server. Server returns the meta-data of that file.
5. Program keeps sending requests in its normal flow of execution. But when a reply comes, it receives a SIGRTMIN+1 signal (this needs to be setup beforehand). Inside the signal handler it reads the reply (may not be complete) and displays it on the screen.

Expected files: *sigiobatchclient.c*, *file.txt*

Submit *fullidno\_lab9.zip* file latest by 9 AM on 20<sup>th</sup> Nov through [isf462@gmail.com](mailto:isf462@gmail.com) with the subject: NP141-lab9-exercise.