

1. **FIFOs:** You are given the database which you are familiar with last lab session. Consider any *two* list of registered students (say file database/CSE/cs101.txt and database/EEE/ee102.txt). Assume that all the records of this file are already written to two FIFO. Also assume that the roll numbers **NOT** in sorted order (though the file does contain records each of which is sorted by roll number). Your task is to compute intersection of the data contained in the two FIFOs and print the stream wise students in three different files: undergraduate, postgraduate and doctoral students respectively.

Note: 1. In the process of implementation, do not use additional memory/data structures.

Note: 2. You should implement this program either in **C** or **C++** language only.

Note: 3. This warm up problem needs the concepts of FIFOs. Sections 44.7 and 44.8 shared with you will help in this assignment.