



Operating Systems

Quiz NO. 2

Instructions

- Submit your Question 1 files on GCR, named as **YOUR_ROLLNUMBER_Q1.c** (For example 20L_1234_Q1.c)
- **You have strictly 20 minutes for this quiz and 1 mark will be deducted for each 5 minutes you have taken extra.**

Question 1:

(10 marks)

- There are exactly 3 threads that generate (print) string a, b and c in an arbitrary order.
- In an absence of any synchronization mechanism there will be no order in generation of a, b and c.
- Synchronize threads in such a way that your printed string will be

abccbaabcaabaabccbaabccba

| //thread 1 | //thread 2 | //thread 3 |
|------------|------------|------------|
| { | { | { |
| Printf(a); | Printf(b); | Printf(c); |
| } | } | } |