

CS 171 : Introduction to Distributed Systems
Sample Tests for Assignment 3

1. *Scenario 1 Checking non racing basic case.*

To execute :

- (a) Server A: moneyTransfer(5, A, C)
- (b) Server A: moneyTransfer(10, A, C)

To Check:

- (a) Server A: printBalance : 85
- (b) Server C: printBalance : 115
- (c) Server B: printBlockchain : should have both the transactions in a block

2. *Scenario 2 : Checking Paxos with concurrent proposers*

To execute :

- (a) Server A: moneyTransfer(5, A, C)
- (b) Server A: moneyTransfer(50, A, C)
- (c) Server B: moneyTransfer(10, B, C)
- (d) Server B: moneyTransfer(5, B, C)
- (e) Server D: moneyTransfer(20, D, E)
- (f) Server D: moneyTransfer(5, D, E)

To Check:

- (a) 4 blocks at the end (3 from this scenario and 1 from the previous)
- (b) Server A : printBalance : 30
- (c) Server B : printBalance : 85
- (d) Server C : printBalance : 185
- (e) Server D : printBalance : 75
- (f) Server E : printBalance : 125