**PROJECT3 REPORT**

Kiran Kumar Reddy Gorantla ------- 9383-3393

Yashaswi Karnati -------- 1993-0168

**Run Instructions:**

Navigate to the kv folder after unziping and run following commands

* Mix compile
* Mix run project3.exs numNodes numRequests

**Test Cases run:**

* numNodes = 10 numRequests = 10
  + Max Hops = 1
* numNodes = 100 numRequests = 10
  + Max Hops = 2
* numNodes = 1000 numRequests = 10
  + Max Hops = 3
* numNodes = 5000 numRequests = 10
  + Max Hops = 4

**OBSERVATION:**

Max Number of Hops in each case is observed to be log(numNodes)base 16.