COP 6616: Multi-core Programming
Fall 2017
Data Structure Project Final ReadMe

Name: Rajat Bhattacharjee
PID: 4191543
Date: 13th Nov 2017

Programming Language: C++
Text Editor used: Notepad++
Execution done using: Online C++14 compiler
(https://www.onlinegdb.com/online_c++_compiler)

Implementation

Number of threads: 5, 10, 15, 20, 25, 30, 35, 40 and 50.

Results:
SprayList.cpp

Number of threads = 5, Execution Time = 0.00260611
Number of threads = 10, Execution Time = 0.00470701
Number of threads = 15, Execution Time = 0.00287702
Number of threads = 20, Execution Time = 0.0107531
Number of threads = 25, Execution Time = 0.00402057
Number of threads = 30, Execution Time = 0.00469464
Number of threads = 35, Execution Time = 0.00491326
Number of threads = 40, Execution Time = 0.00996837
Number of threads = 50, Execution Time = 0.0139782

SprayList: A Scalable Relaxed Priority Queue