Gossip Push-Sum Simulator

Group Members: **Umar Majeed**:   96119334   **Gagan Sharma**:   91349422

Execution Instructions:

1) Scroll to directory: **"\GossipSimulation_PushSumProtocol"** in the Windows Command Prompt or Ubuntu Terminal
2) Type **sbt clean**
3) After clean, type **sbt**
4) Type **compile**
5) Run command: type "**run num_of_nodes topology algorithm**"
   e.g.: "**run 1000 3D push-sum**"
   a. **Topologies Names**:   "line", "full", "3D" & "Imp3D" (cases exactly as mentioned)
   b. **Algorithms**:   gossip, push-sum   (all small with "-" in push-sum)

Maximum Nodes
(Tested System Config - OS: Windows 10, **Processor**: Intel Core i7, **RAM:** 6 GB**)**

Gossip		
Topology	**Num of Nodes**	**Time (in secs)**
Line	10,000	1077
Full	5,000	19
3D	500,000	27
Improper 3D		
Push-Sum		
Topology	**Num of Nodes**	**Time (in secs)**
Line	10,000	142
Full	7,000	10
3D	5,000	26
Improper 3D	100,000	69

Umar……………….. Add Stuff here: About what was working…???????

README file   In the README file you have to include the following material:

- Team members
- What is working
- What is the largest network you managed to deal with for each type of topology and algorithm