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## Report: Project 2 – Gossip Protocol in Scala (With Failure)

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Course: COP 5615: Distributed Operating Systems  
Principles

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**Tool used for the code: IntelliJ IDEA**

### **System Configuration Snapshot:**

#### System

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Processor:	Intel(R) Core(TM) i5-3210M CPU @ 2.50GHz 2.50 GHz
Installed memory (RAM):	4.00 GB
System type:	64-bit Operating System, x64-based processor

### **How to run the code:**

#### **For the Non-failure Model.**

Run the command in terminal

```
project2.scala numNodes topology algorithm
```

where

numNodes is any numerical value

topology is among (“Full”, “Line”, “3D”, “3Dimp”)

algorithm is either “Gossip” or “PushSum”

#### **For the Failure Model.**

Run the command in terminal

```
project2-bonus.scala numNodes topology algorithm
```

where

numNodes is any numerical value

topology is among (“Full”, “Line”, “3D”, “3Dimp”)

algorithm is either “Gossip” or “PushSum”

The details of the findings and analysis is provided in the folder Report.