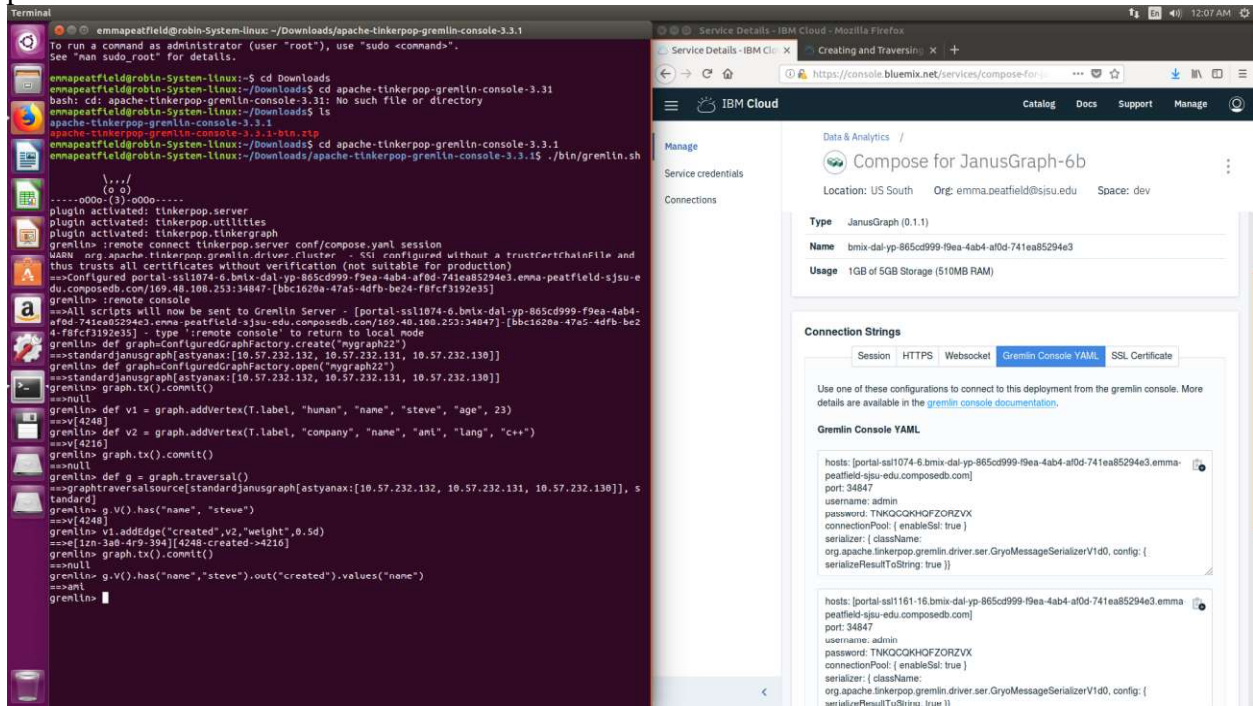


## Mini Projects Part 3: Bluemix Graph Creation using JanusGraph

### Procedure:

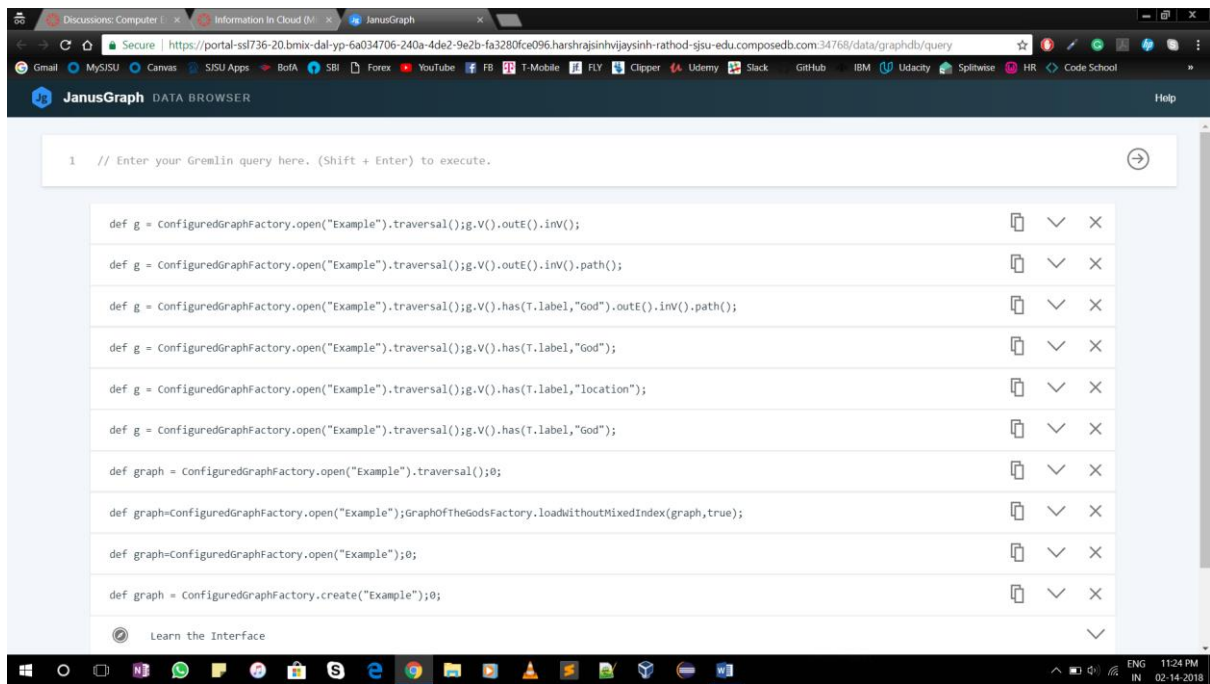
To begin this project, we referenced a tutorial from the IBM website on how to create and traverse a graph using a gremlin console. A gremlin console was installed onto the system. Once signed into the IBM Cloud, we search through the Catalog for the Data & Analytics page, which then led us to JanusGraph. A resource was created and booted up in the web browser. While this was starting, the gremlin console was also started up. From the terminal we located the file that contained the gremlin shell script. This script was run through the terminal and a connection was made with the JanusGraph service once both were loaded. This was done through saving a connection string in the *conf* folder contained with the gremlin shell script. Once a connection was complete, we were able to create our graph called “mygraph22.” We then opened the graph and added two vertices to the graph. We were also able to traverse the graph for specific values. Finally, we created an edge that connected to the two vertices so that we were able to run an SQL query through the system. An image has been attached below of our commands for the processes.



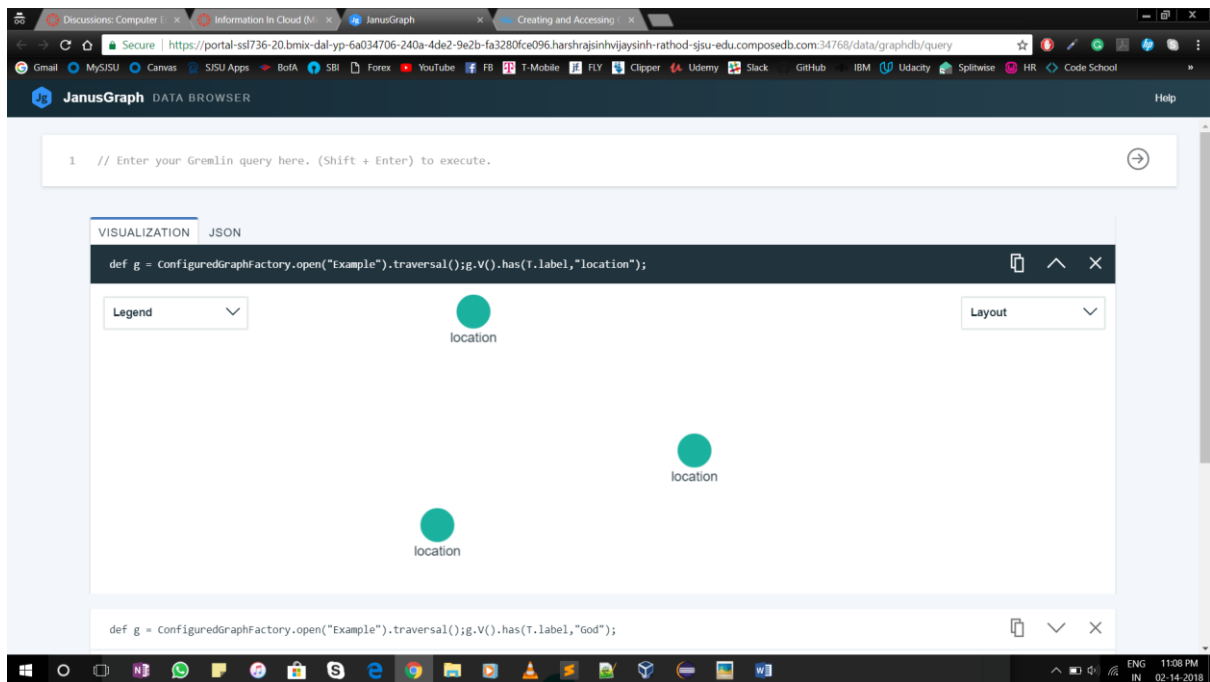
### Reference:

<https://console.bluemix.net/docs/services/ComposeForJanusGraph/tutorial-gremlin-console.html#creating-and-traversing-a-graph-using-gremlin-console>

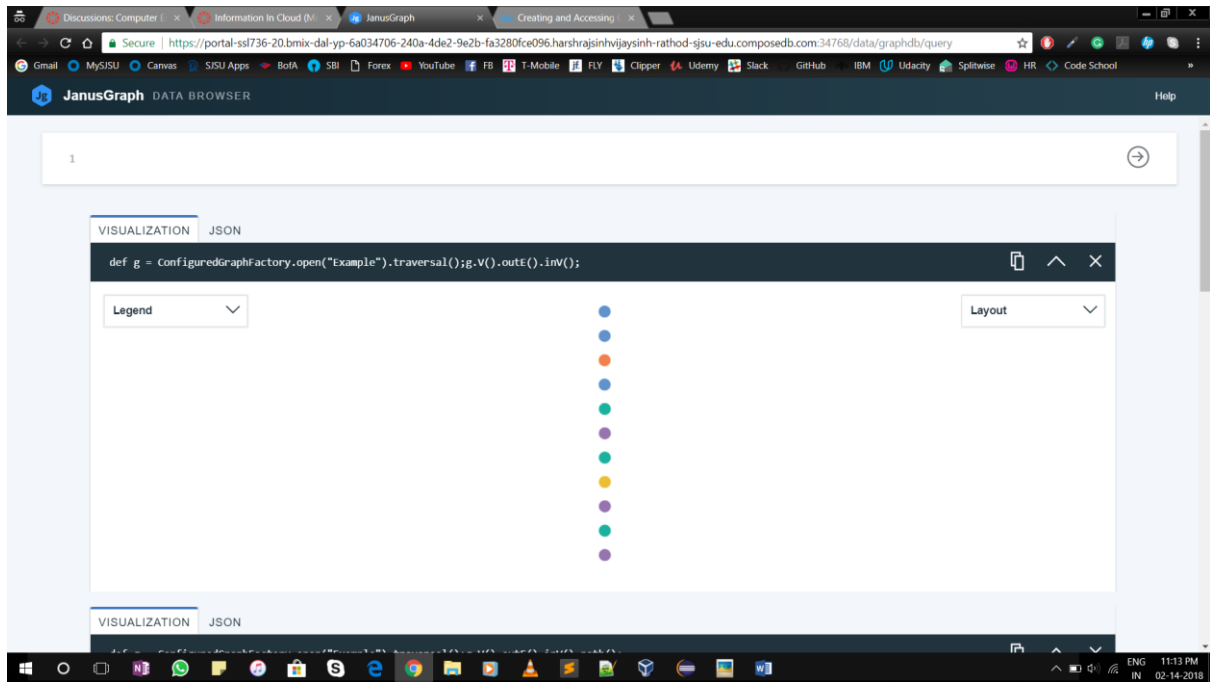
## All the queries that we passed:



## Phase 1: Vertices



## Phase 2: Numbers of Vertices



## Phase 3: Vertices and Edges

