

CSE 464 Project

A Java Program for manipulating graphs in DOT format.

Features

- Feature 1: Reads the input dot file and Outputs the number of nodes and edges in the graph.(Commit1: <https://github.com/pavansai0/CSE-464-2023-pkrish37/commit/0dff5a4124a2eb106f6e2ea31071e4f8c74a4dd5>)
- Feature 2: Implements the add Node function while making sure there are no duplicates(Commit2: <https://github.com/pavansai0/CSE-464-2023-pkrish37/commit/7ba58e14a60e41b89a3d06433a2d621e0f2adc19>)
- Feature 3: Implements add Edge function which adds an edge between source node and destination node while making sure there are no duplicate edges. (Commit 3: <https://github.com/pavansai0/CSE-464-2023-pkrish37/commit/2c14cdb8eb29a847331144324e75f239f6ceb9ba>)
- Feature 4: Outputs the resultant graph in the required format. (Commit 4: <https://github.com/pavansai0/CSE-464-2023-pkrish37/commit/fb9b51a9e17a3cba25b0bff8aee55f131a9a677e>)

Prerequisites: - Java 8 or higher - IntelliJ - Graphviz

Installation

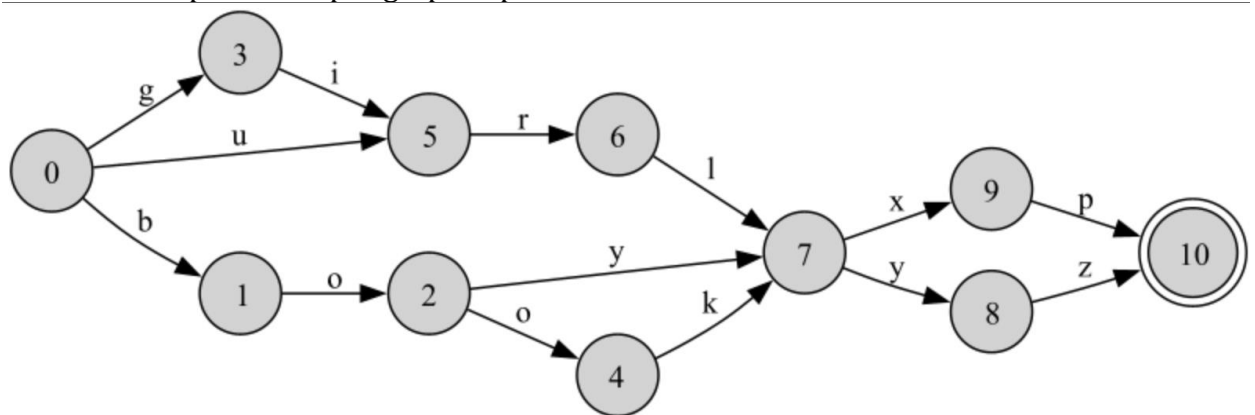
- git clone <https://github.com/pavansai0/CSE-464-2023-pkrish37.git>
- Open the folder as new project in IntelliJ
- Build -> Build Project.

Testing

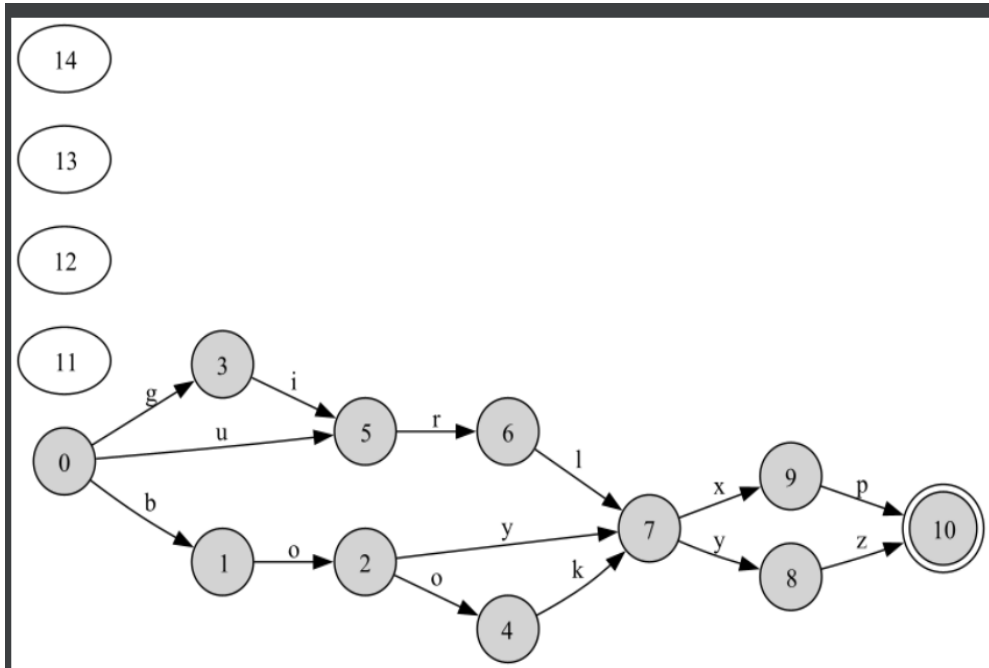
- Method Coverage in Testing = 90%
- Line Coverage in Testing = 60%

Outputs

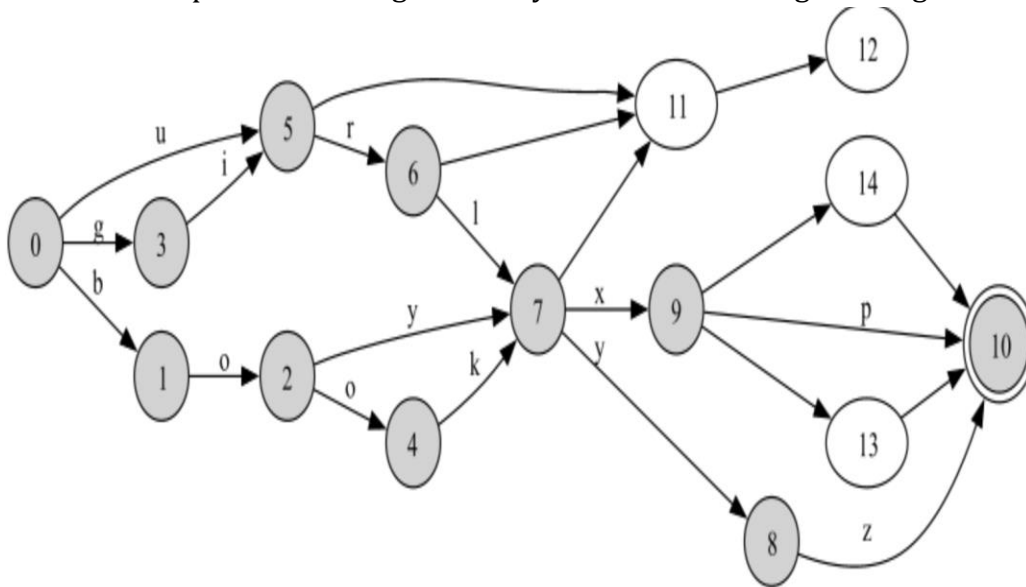
- Feature 1 Output:The input graph is printed



- Feature 2 Output: Adding Nodes 11,12,13,14 to the graph



- Feature 3 Output: Connecting the newly added nodes using add Edges function.



Merge links :

<https://github.com/pavansai0/CSE-464-2023-pkrish37/pull/2>

<https://github.com/pavansai0/CSE-464-2023-pkrish37/pull/1>

