Steps to run the program:

1. apriori.java contains the main method.

2. Run apriori.java

3. Enter the filepath of association-rule-test-data.txt (eg. C:\Users\xyz\Desktop)

4. Enter the minimum support

5. Enter the minimum confidence.

6. All the strong association rules will be displayed.

7. Enter the template **without brackets, comma separated (eg. item1, item2) and without space between two words of disease. (e.g breast cancer and not breast\_cancer)**

Words are not case sensitive.

8. Genes are stored in the following format

**G1 UP** or **G1 DOWN**

9. So a sample template example is

Rule has 1 of G1 UP, G2 DOWN and body has none of ALL

10. When the rule containing a disease name is displayed then it preceded with G101.

11. At the end all the strong association rules satisfying the template and the count of rules is displayed.