CSE 310 L Data Warehousing and Mining

Date: 22-08-2023

1. Write a Python program to read the text file “transactions3.txt” having 10,000 transactions (that was created in your last lab) and display the contents.
2. Write a Python program to read the text file “transactions3.txt” and find the frequency of each item.

Example:

**Input**

T1-A B C D

T2-B C E

T3-A C D

T4-C D E

T5-A B C

**Output**

A-3

B-3

C-5

D-3

E-2

1. Write a Python program to read “transactions3.txt” and write the data in vertical format (item wise list of transactions) into another file and name it as “transactions4.txt”.

Example:

**Input**

T1-A B C D

T2-B C E

T3-A C D

T4-C D E

T5-A B C

**Output**

A-T1 T3 T5

B-T1 T2 T5

C-T1 T2 T3 T4 T5

D-T1 T3 T4

E-T2 T4

1. Write a Python program to read “transactions3.txt” and find the two-itemsets (itemset having two items)

Example:

**Input**

T1-A B C D

T2-B C E

T3-A C D

T4-C D E

T5-A B C

**Output**

After reading T1

A B

A C

A D

B C

B D

C D

After reading T2

B C

B E

C E

After reading T3

A C

A D

C D

After reading T4

C D

C E

D E

After reading T5

A B

A C

B C