CSE 463 Data Warehousing and Mining

Date: 10-03-2025

1. Write a Python Program to implement FP-Growth Algorithm

**Hint:**

1. **FP-Tree Construction**

 Count item frequencies.

 Removes infrequent items.

 Builds the FP-Tree using a linked structure.

 Maintains a header table for tracking item occurrences.

1. **Mining Frequent Patterns**

 Finds conditional pattern bases.

 Constructs conditional FP-trees recursively.

 Extracts frequent itemsets.