**SET-01**

1. Create an Employee Table with the help of Data Mining Tool WEKA.
2. Explain in detail about Data Reduction and its methods?

**SET-02**

1.Design snowflake schema for hospital management system.

2. Create a Customer Table with the help of Data Mining Tool WEKA.

**SET-03**

1.Perform binning on following set of data

2,3,7,11,15,18,19,14,22,4,9,21,27.

2.Create a Weather Table with the help of Data Mining Tool WEKA.

**SET-04**

1.Define Normalization? Use the two methods below to normalize the following group of data a) min max normalization b) Z score normalization { 200,300,400,600,1000}

2.Create a Banking Table with the help of Data Mining Tool WEKA

**SET-05**

1.Create a Buying Table with the help of Data Mining Tool WEKA

2. Explain FP-growth algorithm. find frequent item sets using FP growth algorithm and construct FP tree for the below dataset.

|  |  |
| --- | --- |
| Tid | Items brought |
| T1 | K, A, D, B |
| T2 | D, A, C, E, B |
| T3 | A, C, B, E |
| T4 | B, D, E |
| T5 | A, D, B |

**SET-06**

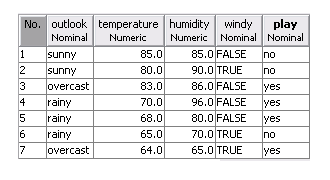
1.Draw and explain star, snowflake and fact constellation schema for all electronics sales data

2.Explain FP-growth algorithm. find frequent item sets using FP growth algorithm and construct fp tree for the below dataset

|  |  |
| --- | --- |
| **Tid** | **Items brought** |
| T1 | F, A, C, D, G, I, M, P |
| T2 | A, B, C, F, L, M, O |
| T3 | B, F, H, J, Q, W |
| T4 | B, C, K, S, P |
| T5 | A, F, C, E, L, P, M, N |

**SET-07**

1. Create ARFF file to following data



2. Consider the following transactional data base, generate association rules and identify strong association rules using **APRIORI** algorithm with Min **support=2**

|  |  |
| --- | --- |
| **Tid** | **items** |
| T1 | Hotdogs, bun, ketchup |
| T2 | Hotdogs, bun |
| T3 | Hotdogs, coke, chips |
| T4 | coke, chips |
| T5 | Chips, ketchup |
| T6 | Hotdogs, coke, chips |