EX.NO 3A: VISUALIZING DATASET USING WEKA TOOL

AIM:

To visualize dataset using WEKA tool.

PROCEDURE:

- 1.Open Start -> Programs -> Accessories -> Notepad
- 2. Type the following training data set with the help of Notepadfor Weather Table.

@relation weather

@attribute outlook {sunny, overcast, rainy} @attribute temperature real @attribute humidity real @attribute windy {TRUE, FALSE}@attribute play {yes, no}

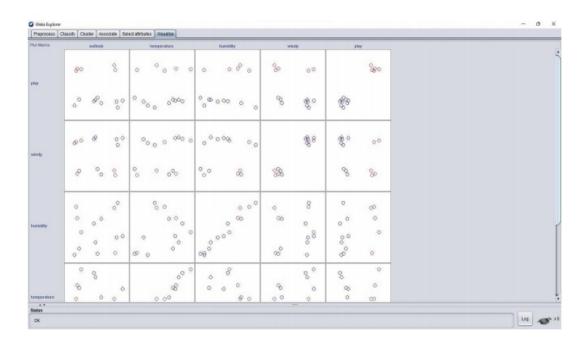
@data sunny,85,85,FALSE,no sunny,80,90,TRUE,no overcast,83,86,FALSE,yes rainy,70,96,FALSE,yes rainy,68,80,FALSE,yes rainy,65,70,TRUE,no overcast,64,65,TRUE,yes sunny,72,95,FALSE,no sunny,69,70,FALSE,yes rainy,75,80,FALSE,yes sunny,75,70,TRUE,yes overcast,72,90,TRUE,yes overcast,81,75,FALSE,yes rainy,71,91,TRUE,no

- 3. After that the file is saved with .arff file format.
- 4. Minimize the arff file & then open Start -> Programs -> weka .
- 5.Click on weka-3-4, then Weka dialog box is displayed on the screen.
- 6.In that dialog box there are four modes, click on explorer.
- 7. Explorer shows many options. In that click on 'open file' and select the arff file.
- 8.Click on edit button which shows weather table on weka.

Department	of	Computer	Science	and	Engin	eering
Department	$\mathbf{v}_{\mathbf{I}}$	Computer	Deterior	$u_{11}u_{1}$	Langin	CULILIE

K. Ramakrishnan College of Engineering (Autonomous), Trichy

OUTPUT:



K. Ramakrishnan College of Engineering (Autonomous), Trichy				
RESULT:				
Thus the visualization of dataset using WEKA tool has been executed successfully.				
Department of Computer Science and Engineering	Page			

EX.NO:3B PRE-PROCESSING DATASET USING WEKA TOOL

AIM:

To apply the pre-processsing technique to the training dataset of weather table.

PROCEDURE:

- Open Start -> Programs -> Accessories -> Notepad.
- 2. Type the following training data set with the help of Notepad for Employee Table.

@relation employee @attribute name {x,y,z,a,b} @attribute id numeric @attribute salary {low,medium,high} @attribute exp numeric @attribute gender {male,female} @attribute phone numeric @data x,101,low,2,male,250311 y,102,high,3,female,251665 z,103,medium,1,male,240238 a,104,low,5,female,200200 b,105,high,2,male,240240

- After that the file is saved with .arff file format.
- 4. Minimize the arff file & then open Start -> Programs -> weka .
- 5. Click on weka-3-4, then Weka dialog box is displayed on the screen.
- 6.In that dialog box there are four modes, click on explorer.
- 7. Explorer shows many options. In that click on 'open file' and select the arff file.
- Click on edit button which shows employee table on weka.

-			~			1		
	epartment	O.T	('omnii	ter \	cience	and	Hnoin	eerinc
\mathbf{L}	opai uncii	$\mathbf{v}_{\mathbf{I}}$	COIIIDU		CICIICC	anu	LHZIII	CCHIII

K. Ramakrishnan College of Engineering (Autonomous), Trichy

OUTPUT:





Department of Computer Science and Engineering

Page____

K. Ramakrishnan College of Engineering (Autonomous), Tri	chy
RESULT:	
Thus the pre-processsing technique to the training dataset of weather table has been exc successfully.	ecuted
Department of Computer Science and Engineering	Page

EX.NO:3C ASSOCIATION RULE MINING OF DATASET IN WEKA TOOL USING APRIORI ALGORITHM

AIM:

To demonstrate association rule mining of dataset in weka tool using Apriori algorithm.

PROCEDURE:

- 1. Open Start -> Programs -> Accessories -> Notepad.
- 2. Type the following training data set with the help of Notepad for Employee Table.

@relation employee @attribute name {x,y,z,a,b} @attribute id numeric

@attribute salary {low,medium,high}

@attribute exp numeric

@attribute gender {male,female}

@attribute phone numeric @data

x,101,low,2,male,250311

y,102,high,3,female,251665

z,103,medium,1,male,240238

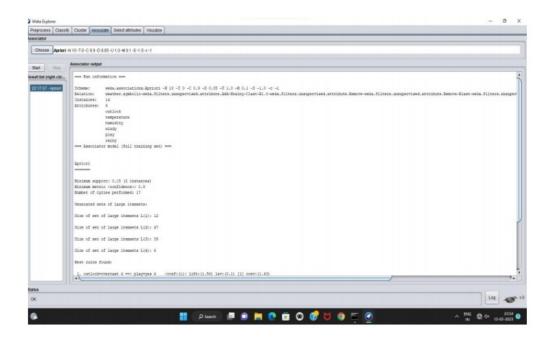
a,104,low,5,female,200200

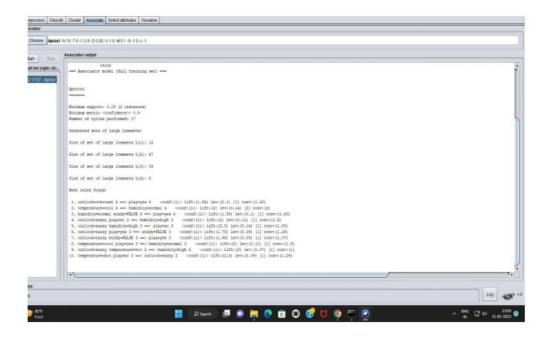
b,105,high,2,male,240240

- 3. After that the file is saved with .arff file format.
- 4. Minimize the arff file & then open Start -> Programs -> weka .
- 5.Click on weka-3-4, then Weka dialog box is displayed on the screen.
- 6.In that dialog box there are four modes, click on explorer.
- 7. Explorer shows many options. In that click on 'open file' and select the arff file.
- Click on edit button which shows employee table on weka.

K. Ramakrishnan College of Engineering (Autonomous), Trichy

OUTPUT:





Department of Computer Science and Engineering

Page____

K. Ramakrishnan College of Engineering (Autonomous),	iricny
RESULT:	
Thus the association rule mining of dataset in weka tool using Apriori algorithm h successfully.	as been execut
Department of Computer Science and Engineering	Page