Academic Year: 2024-2025 Name of Student: Diya Thakkar

Semester: VI Student ID: 22107040

Class / Branch: TE/DS Date Of Performance:26/8/24

Subject: DWM Date Of Submission: 26/8/24

Name of Instructor: Prof. Archana K.

**Experiment No.4**

**Aim:**- To study the WEKA data mining tool and implement Decision Tree Algorithm using WEKA.

**Code:-**

@Relation Weather

@Attribute Outlook{Rainy, Sunny, Overcast}

@Attribute Temp{Hot, Mild, Cool}

@Attribute Humidity{High, Normal}

@Attribute Windy{TRUE, FALSE}

@Attribute Play\_Golf{Yes,No}

@Data

Rainy,Hot,High,FALSE,No

Rainy,Hot,High,TRUE,No

Overcast,Hot,High,FALSE,Yes

Sunny,Mild,High,FALSE,Yes

Sunny,Cool,Normal,FALSE,Yes

Sunny,Cool,Normal,TRUE,No

Overcast,Cool,Normal,TRUE,Yes

Rainy,Mild,High,FALSE,No

Rainy,Cool,Normal,FALSE,Yes

Sunny,Mild,Normal,FALSE,Yes

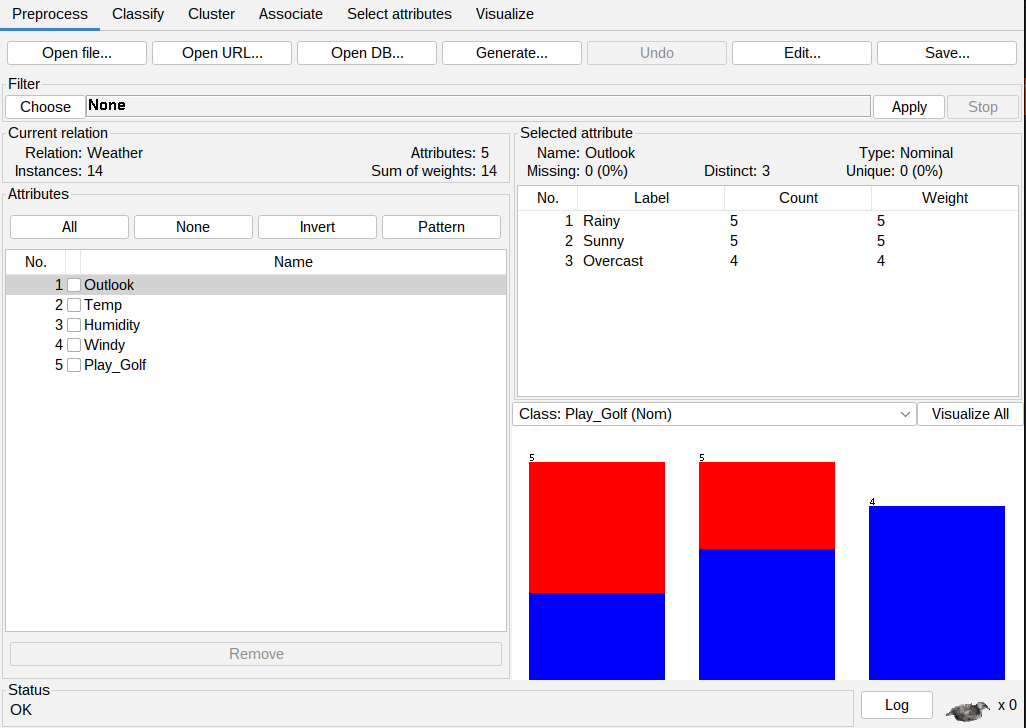
Rainy,Mild,Normal,TRUE,Yes

Overcast,Mild,High,TRUE,Yes

Overcast,Hot,Normal,FALSE,Yes

Sunny,Mild,High,TRUE,No

**Output:-**



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