**Experiment1.1**

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**Branch**: CSE  **Section**: 905/A

**Semester**: 6 **Date of Performance**: 15/02/2023

**Subject Name**: Data Mining Lab **Subject Code**: 20CSP-376

**1) Aim:**

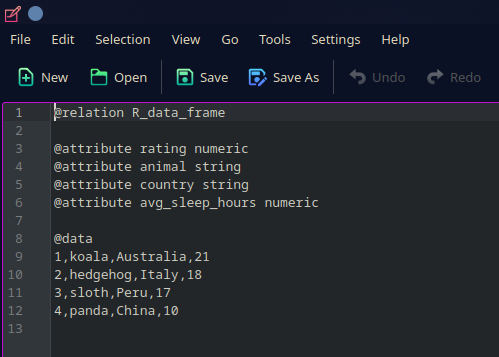
Demonstration of preprocessing on .arff file using R Programming.

**2) Objective:**

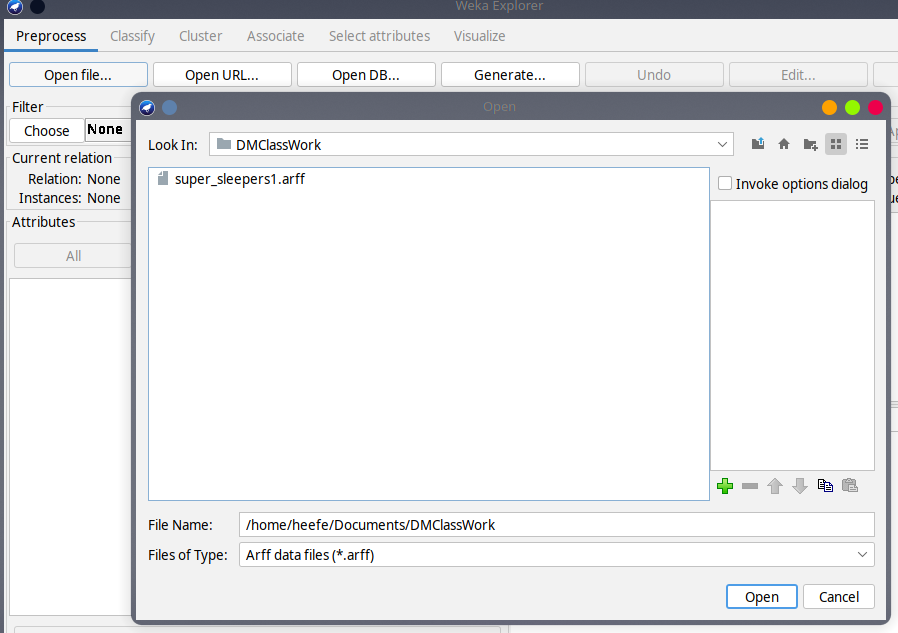
To represent the creation of file using R Studio and displaying the pattern on Weka Tool for further extraction and analysis of knowledge.

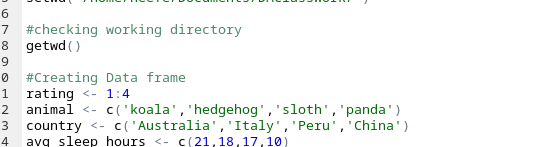
**3) Code and Output:**

* Created a .arff file as -



* Opened the file using Rweka -





**Code -**

*library(RWeka)*

*setwd("/home/heefe/Documents/DMClassWork/")*

*getwd()*

*rating <- 1:4*

*animal <- c('koala','hedgehog','sloth','panda')*

*country <- c('Australia','Italy','Peru','China')*

*avg\_sleep\_hours <- c(21,18,17,10)*

*super\_sleepers <- data.frame(rating,animal,country,avg\_sleep\_hours,stringsAsFactors = FALSE)*

*print(super\_sleepers)*

*print(class(super\_sleepers))*

*print(str(super\_sleepers))*

*write.arff(super\_sleepers,file("super\_sleepers1.arff"))*

*N = read.arff("super\_sleepers1.arff")*

*print(N)*

*print(head(N,2))*

*names(N)*

*N["animal"]*

Extracted information -

