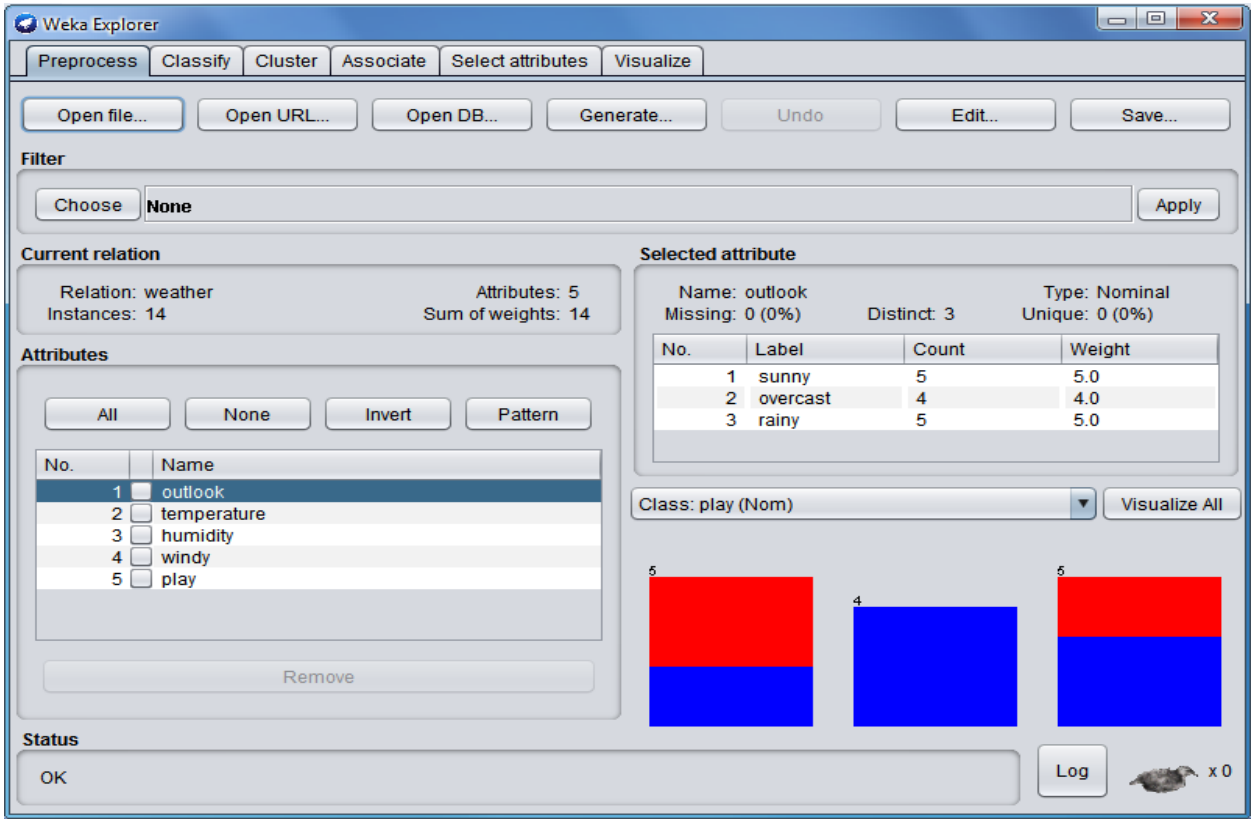
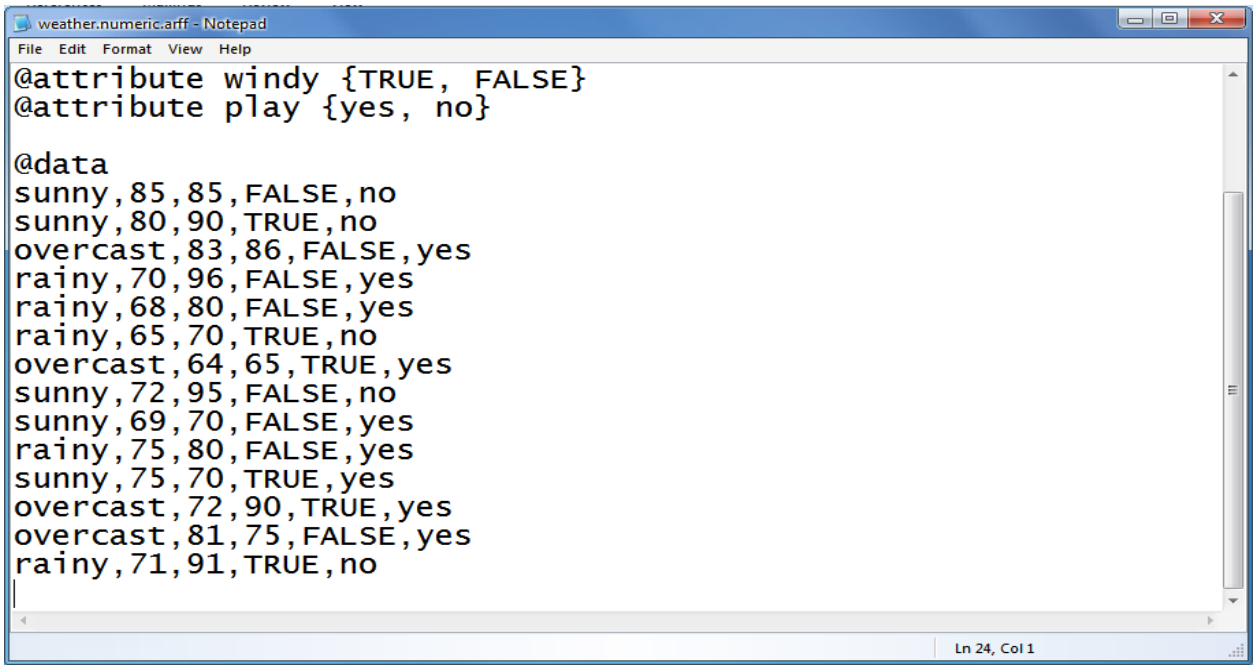
## Practical No. 2

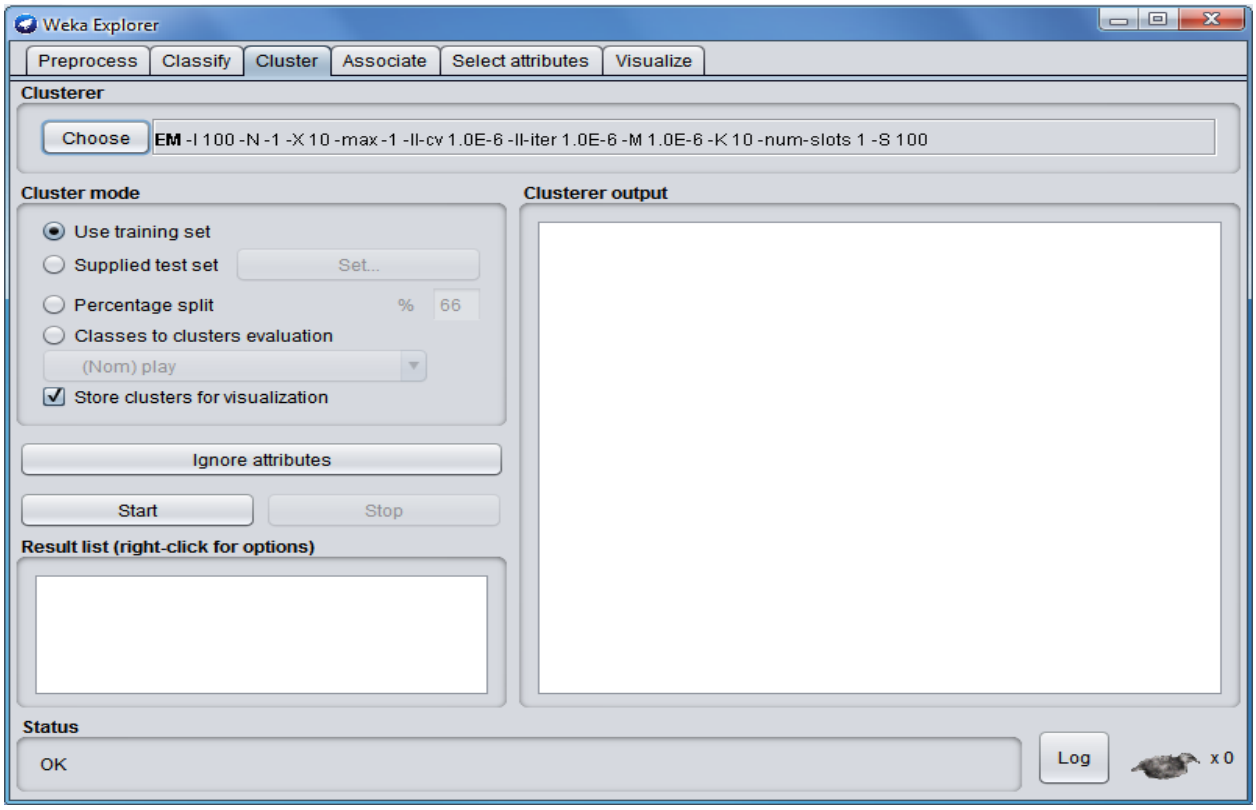
**Aim : Generate forecasting model and interpret the result for a given data set.**

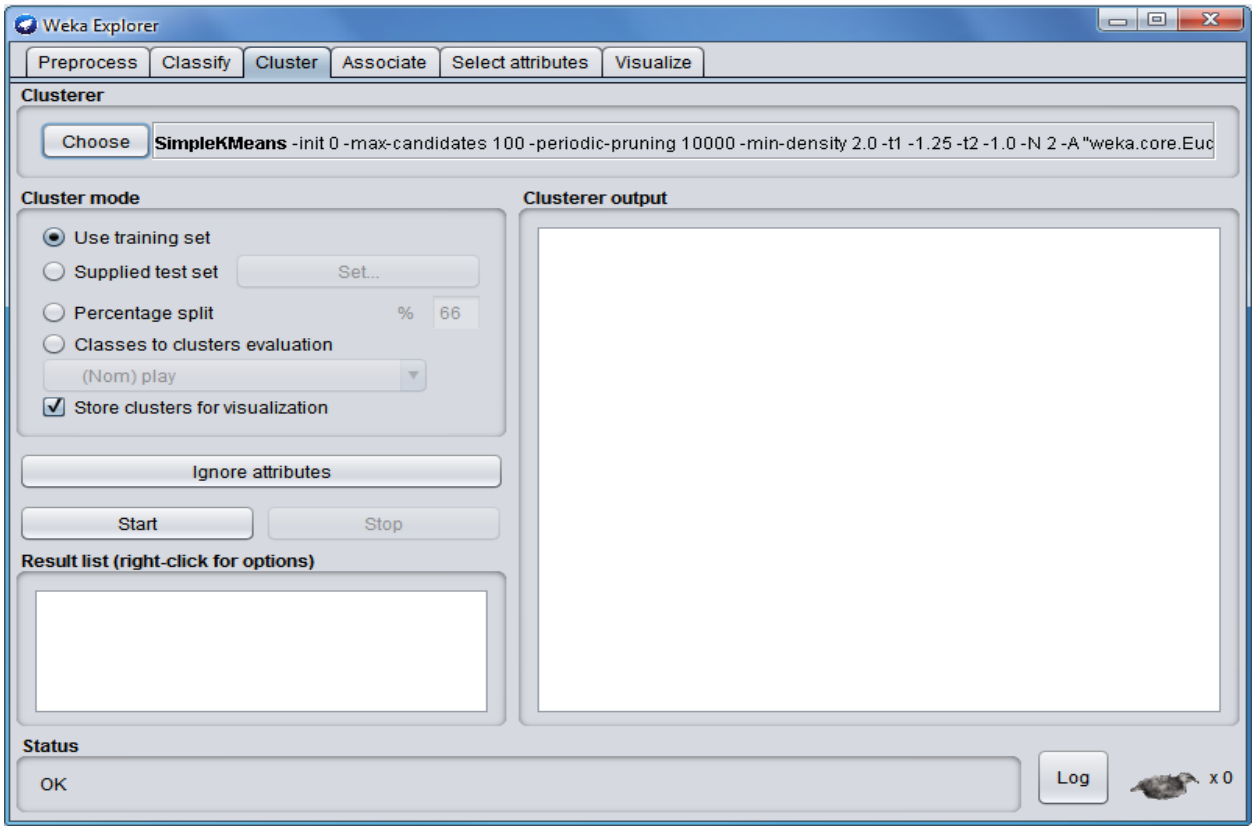
**Step 1:** Open Weka then open file Weather.arff in Weka Explorer.



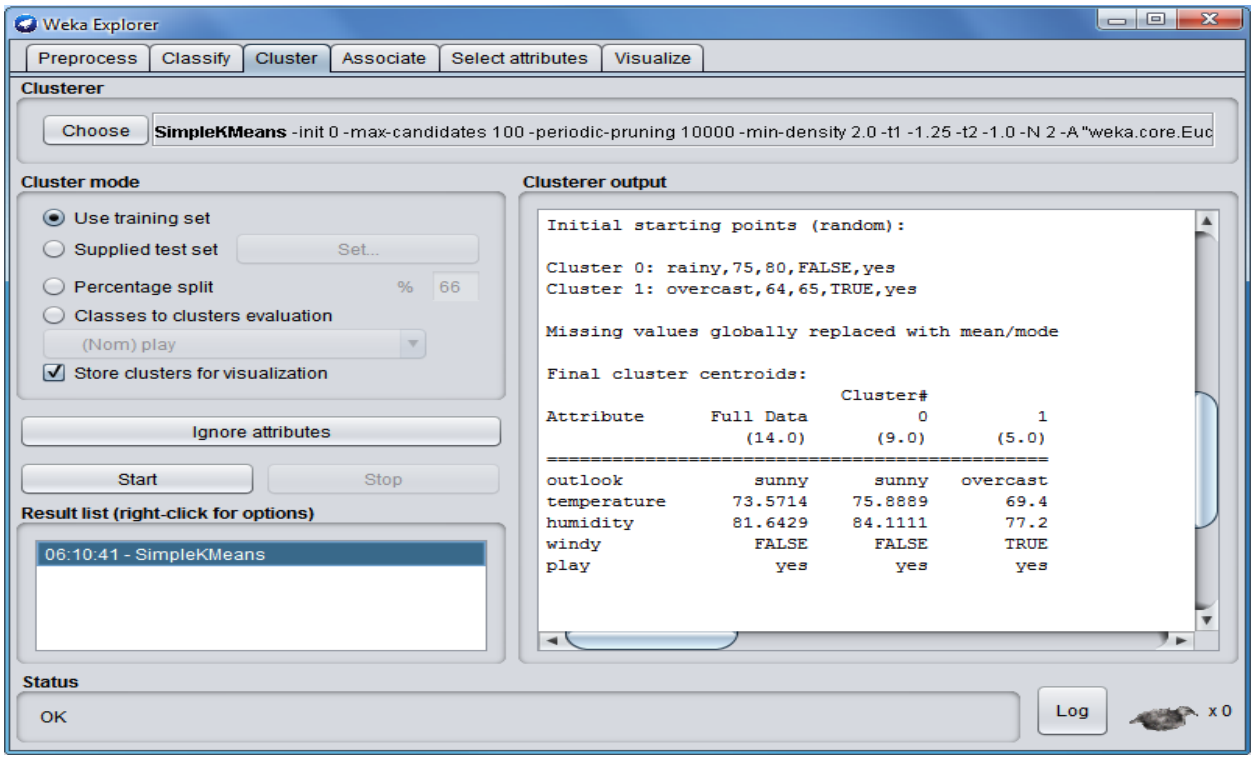


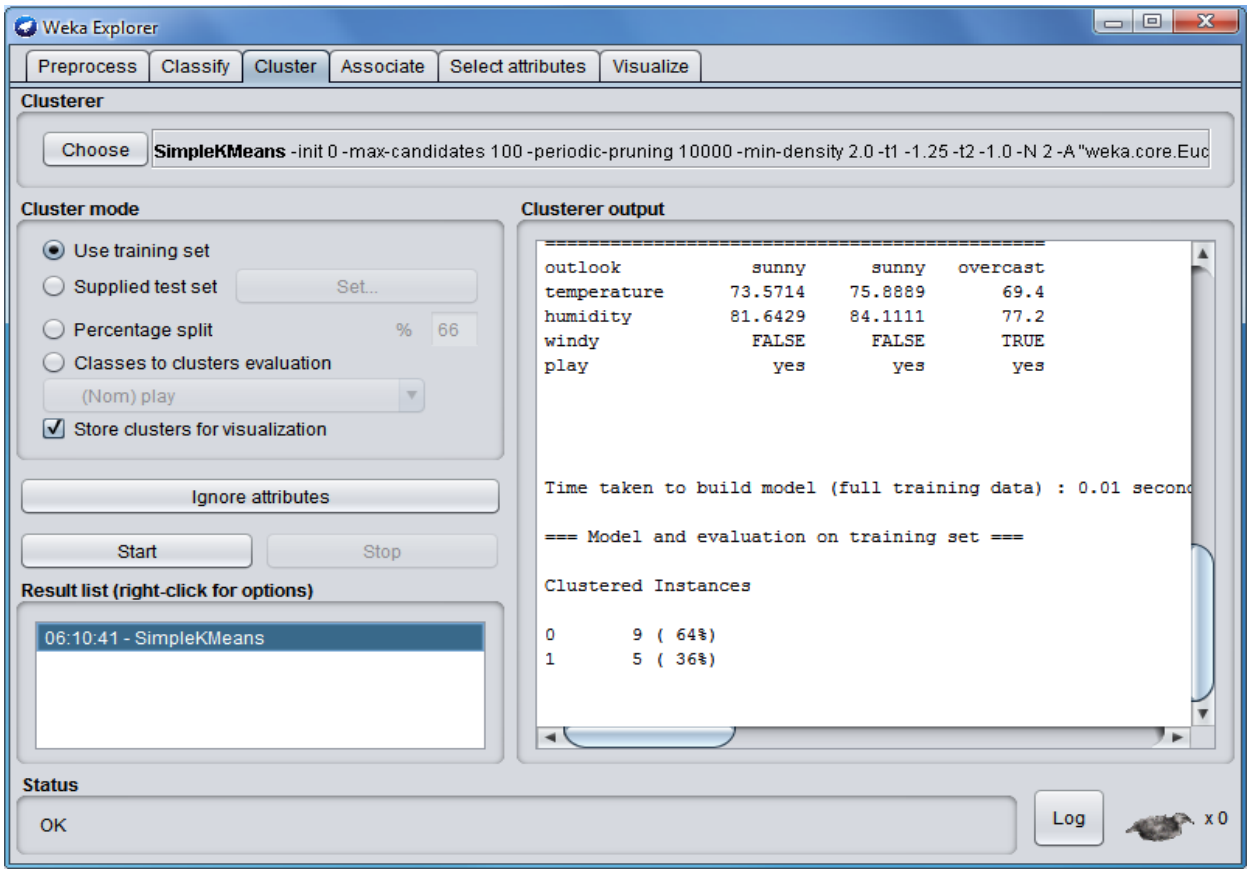

**Step 2:** click on Cluster, choose weka forcasting function SimpleKMean.






**Step 3:** Click on Start. You can see the SimpleKMean on the input file.




Weka Explorer
Preprocess
Classify
Cluster
Associate
Select attributes
Visualize
Clusterer
Choose
SimpleKMeans -init 0 -max-candidates 100 -periodic-pruning 10000 -min-density 2.0 -t1 -1.25 -t2 -1.0 -N 2 -A "weka.core.Euc
Cluster mode
Use training set
Supplied test set
Set...
Percentage split
%
66
Classes to clusters evaluation
(Nom) play
Store clusters for visualization
Ignore attributes
Start
Stop
Result list (right-click for options)
06:10:41 - SimpleKMeans
Clusterer output
outlook sunny sunny overcast
temperature 73.5714 75.8889 69.4
humidity 81.6429 84.1111 77.2
windy FALSE FALSE TRUE
play yes yes yes
Time taken to build model (full training data) : 0.01 second
=== Model and evaluation on training set ===
Clustered Instances
0 9 ( 64%)
1 5 ( 36%)
Status
OK
Log
x 0