Experii	nent No. :
	Rapid Miner
1)	Using Rapidminer tool apply the following pre processing technique
a.	Normalization techniques
	Description: The normalize operator normalizes the value of the selected attributes. It is used to scale values so they fit in a specific range.
	Dataset (Input): The input Example Set is a collection of ages of individual belonging to categories Kid, youth and calult.
	Output The ExampleSet that with selected attributes is normalised. Here the age issue is normalised.
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Experim	Date Summanum Da	
	Aggregation	
	Description:	
	The Aggregate operator creates a new Example Sof from the input Example Sot showing the results of the selected aggregation functions. Many aggregation functions are supported including SUM, count, MIN, MAX, AVERAGE, GROUP BY.	
	Input;	
	Dataset: Age dataset. Output of other operators can also be used as input.	
	This operator can group examples of the input Example set into smaller groups using this parameter.	
	Output.	
	Group-by-attribute is applied on the category attribute. The output is adult, kid and youth.	

Experiment No.:	
c. Data Cleansing;	
Different data clause	
Different data cleansing dechniques are:	
I) replacing Missing IV	
Application of the state of the	-
The operator replaces missing values in Examples of selected Affributes by a specified replacement. Missing values can be replaced by the	
Total Court	
Missing values can be replaced by the minimum, maximum average value of that Athribute, Zero constant	MURY
or average value of that Athribute. Zero any value	
2) Replace Infinite values	-
This operator replaces positive or prophie	
maxint, max-double and missing.	
3. Remove Duplicates	
The operator removes duplicate examples from an	1
Ther on the basis of the specified attributes.	
Other on the basis of the specified attributes.	
b 9 . +	
Dataset: Age Dataset with missing values in age	
attribute.	
WATTI SIZE C.	
Output:	
The output is an example set withe missing values replaced (billed) with the average value of the	
replaced (Hilled) with the average value of the	-
age column.	

Experis	Date:
d)	Sampling
	Description. This, operator creates a sample from an Examplest by selecting examples randomly. The size of a sample can be specified on absolute, relative and probability basis.
	and probability basis.
	Input. Dataset: Age destaset.
	Output: A randomized sample of the input ExampleSet.
	Parameter: Absolute: The required number of examples is Specified in the sample size parameter.

Experiment No. :	
FP-Growth This operator efficiently calculates all frequently -occurring itemsels in an Example set, using the FP-tree data smulture	
Oreate Association Rules This operator generates a set of association rules from the given set of frequent etemsets.	
Output.	
· Stemsets: The itemsets that was given a inputa- is passed without changing to the output through this port.	
Rules: The association rules are generated	