Outo: Sakoli y ASSIGNMENT-7 AIM: Integrate R and Hadoop PROBLEM STATEMENT: Integrate & & Hadoon & frest fire datas perform the following operations on frest fire datas 5. Data analysis using Map Reduce in & Natural languages are different from programming languages. The semantic meaning of statement deptends on the context, took & a lot of other factors Jest mining deals with helping computers understand the meaning of last. Some of the common text mining applications include entiment analysis In a packages useful in understanding text & extracting ineighte from text & text mining package are as follows: i. Riglik, SBLik, for R ii to, framework for text mining iii. enauball c, text streaming library iv word cloud for making visualisation V. Synghet for text sentiment analysis vi. glyplot 2 for data visualisation vii planteda N- grame.

2. TEXT PREPROCESSING: Jent data contains white spaces, princtuations, different characters

Lowert text to lower case

- Remove members - Remove English stopwords
- Remove extra volvitespaces
- Eliminate princtuation marks. 3. CLEANING TEXT IN R. i # transform & clean the text
ii library ("tm")
iii does + corpus (vector source (email &a i)) Transformations are done with the turnagel function to all elements of the corpus. de document term matrix is important supersentation for text mining in R tasks 4 an important concept. A word cloud is a simple yet informative way to understand textual data to do analysis library (word Ind) For word cloud computing terms with a frequency greater than 30, not following commands:

wordsland (names (frag.), frag, min.frag = 30, colobers = brender. pat (3, Dark")) CONGLUSION: In this assignment, we learnt to integrate Madoop & R & perform text mining & deta analysis.