Problem Definition:

A log file is a recording of everything that goes in and out of a particular server. It is a concept much like the black box of an airplane that records everything going on with the plane in the event of a problem. The information is frequently recorded chronologically, and is located in the root directory, or occasionally in a secondary folder, depending on how it is set up with the server. The information is updated day by day in log file. The only person who has regular access to the log files of a server is the server administrator, and a log file is generally password protected, so that the server administrator has a record of everyone and everything that wants to look at the log files for a specific server. The log file can't access by others because it is password protected.

Log files can be mined to determine users search pattern. Web log files mining helps in effectively predicting the best related web page to search. While searching a word from search engine it may display some unnecessary links and unrelated data's to user, so to avoid this problem, the conceptual prediction model combines both the web usage and domain knowledge. Using log files better search results are delivered to web users. Web users are able to locate what they actually want within a reasonable amount of time. This serves as an efficient tool towards an intelligent web. The system provides a good model for accessing the information related to particular log from the log files. The discovered knowledge from log files can then be used for many practical web applications such as web recommendations, adaptive web sites, and personalized web search and surfing, by using this knowledge web searching will be more efficient to the users. The system can be used in different type of mining areas of data mining applications.