Call Log using Splay Trees

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Call logs store information in phones about the calls made, received, answered or missed by a user for a given period. The aim of the project is to implement a C++ program that stores call history log using a splay tree, with proper validation of input. In the implementation, there would be a limit for the maximum number of entries in the log to reduce the time, the keys used for creating the splay tree would be the time stamp for each entry and would store contact name and phone number for each entry. The splaying would occur when a search based on name or phone number of contacts, or when insertion of a new log takes place.