WEB Server

In this problem the algorithm and the structure I have used is the following:

I used the structures:

- **info_t** to store all the information in the file,
- **name_t** to set binary tree according to the name,
- **IP_t** to set binary tree according to the IP address,
- **wrapper_t** to combine the name_t and IP_t into a single structure, as the program should return a pointer to a single structure

Provided with the IP address we use IP_t structure to look for the name of the user in logarithmic cost and go into name_t with the found name and look for the concerning information again in logarithmic cost. Then, in total we will have **2*log(n) = log(n)**.

Provided with the name we directly go into name_t to look for the concerning information in logarithmic cost. Then, we will have **log(n)** complexity.

(set **CHECK** to 1 to see the result of binary search)