

Describe Domain Name System.

There are two types of client/server programs.

First is used directly by the user, such as e-mail, Second supports other application programs. The Domain Name System (DNS) is a supporting program that is used by other programs such as to find the IP address of an e-mail recipient.

Describe Hierarchical Namespace.

In a hierarchical name space, each name is combination of several parts as:

Type of the organization.

Name of an organization.

Departments in the organization.

A central authority can assign the part of the name that defines the nature and name of the organization. The other things of the name the organization provides itself.

The organization can add suffixes (or prefixes) to the name to define its host.

The company need not worry about the prefix if it is same as that of another organization because, even if part of an address is the same, the whole address is different.