PYTHON PROJECT DOCUMENT

COMMAND LINE BASED DIRECTORY TREE

DESCRIPTION:

Directories are like family trees. Each Directory has a particular relationship with other directories. Only the root directory stays on its own. Other directories are related to another directories in one way or the other. It is difficult to see the relationship among directories. One can only see the contents of the current directory. With our Directory tree generator one can view the relationship between directories and the files in a more visual, mapped form. Making it easier for the user to understand the interrelation of files and Directories.

USER REQUIREMENTS:

The main task is to display the directories and the files in the form of a tree. The Tree shows all the directories and files with links so that the user may visualize the interrelation between one directory and others. Similarly the relation between the files can also be seen.

No external packages are used. The only package used is the Python commands package.

DESIGN – Logical flow of requirements.

First we list all the directories and files. Then we can go through each file or Directory and check whether it is a file or a directory. We create a dictionary which contains the Keys as the values and the values can be directories or lists based on the contents of the Directory which is its key. In a particular directory, again we repeat the same process and list the directories and files in check each one of them whether it is a file or directory and again the process is repeatd till the last file is noted. Then with the dictionary we have we generate a diagram by showing the interrelationship between the directories and the files.

This is a rough model of our project. A, B, C are the directories.Inside A we are having sub directory AA and two files. Inside AA there are two moe files. It shows an interrelationship between files and directories.