ASSIGNMENT NO 10

Nirbhay Ahir

[Nirbhay.ahir36@gmail.com](mailto:Nirbhay.ahir36@gmail.com)

1. How do you distinguish between shutil.copy() and shutil.copytree()?

Ans: Both the statements takes two functions called as src and dest. src represents source and dest represents destination.

shutil.copy() method is used to copy the data of a single file to another file or directory. The src with the same name will be copied to them dest directory.  If the destination is a file and already exists then it will be replaced with the source file otherwise a new file will be created.

shutil.copytree() method is used to copy the data of entire folder to another folder. The important point to note here is that dest must not exist prior to this and it will be created during the copy operation.

2. What function is used to rename files?

Ans: os.rename() function is used to rename file. We have to pass src which is the file we want to rename and dest which is the new name of file.

3. What is the difference between the delete functions in the send2trash and shutil modules?

Ans: shutil module has shutil.rmtree() function which is used to delete an entire directory tree. os.remove() is used to remove a file and os.rmdir() removes an empty directory. When this functions are used the file or directory gets permanently deleted and lost. Once this functions are used we cannot recover a deleted file.

send2trash module has function called send2trash. send2trash() to delete a file/directory. This method moves the file to a trash folder instead of permanently deleting it. Hence we can recover it from the trash folder.

4.ZipFile objects have a close() method just like File objects’ close() method. What ZipFile method is equivalent to File objects’ open() method?

Ans:  ZipFile Module provides a method called as zipfile.ZipFile() to read and write to zipFiles.

It takes arguments as filename and mode (r/w/a) zipfile.ZipFile('filename', mode = 'r')

5. Create a programme that searches a folder tree for files with a certain file extension (such as .pdf or .jpg). Copy these files from whatever location they are in to a new folder.

Ans: 