**Assignment 10 Solution**

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

**Answer :-**

**shutil.copy() => shutil.copy() will copy one single file.**

**shutil.copytree() => shutil.copytree() will copy entire folder or every folder and file contained** in it.

Q.2 => What function is used to rename files??

**Answer :-**

**rename() function is used to rename files.**

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

**Answer :-**

**The send2trash function will move the file or folder to the recycle bin.**

**shutil function will permanently delete files and folders.**

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

**Answer :-**

**The zipfile.ZipFile() function is equivalent to open() method.**

Q.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.

**Answer :-**

**import os, shutil**

**def movecopyfile(folder):**

**for folderName, subfolders,filenames in os.walk(folder):**

**for filename in filenames:**

**if filename.endswith('.jpg'):**

**shutil.copy(os.path.join(folderName, filename), '<destination>')**