**ASSIGNMENT – 10**

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

Ans=> shutil. copy() will copy a single file.

shutil. copytree() will copy an entire folder and every folder and file contained in it.

**2. What function is used to rename files?**

Ans=> rename() method in Python is used to rename a file or directory. This method renames a source file/ directory to specified destination file/directory.

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

Ans=> The send2trash functions will move a file or folder to the recycle bin, while shutil functions will permanently delete files and folders.

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

Ans=>

import zipfile

zip=zipfile.ZipFile('my\_zip.zip')

f=zip.open('my\_txt\_file.txt')

contents=f.read()

f.close()

So, open() methos in ZipFile is equivalent to File objects’ open() method.

**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=> def selectiveCopy(folder, extensions, destFolder):

folder = os.path.abspath(folder)

destFolder = os.path.abspath(destFolder)

print('Looking in', folder, 'for files with extensions of', ', '.join(extensions))

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

for filename in filenames:

name, extension = os.path.splitext(filename)

if extension in extensions:

fileAbsPath = foldername + os.path.sep + filename

print('Coping', fileAbsPath, 'to', destFolder)

shutil.copy(fileAbsPath, destFolder)

extensions = ['.pdf', '.jpg','.png']

folder = 'randomFolder'

destFolder = 'selectiveFolder'

selectiveCopy(folder, extensions, destFolder)