**Assignment\_10**

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

**Ans: shutil.copy() will only copy single**

**Shutil.copytree() will copy an entire folder**

2. What function is used to rename files??

**Ans: rename()**

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

**Ans: Shutil module has functions for copying,renaming and delecting files.**

**While deleting files, send2trash module is used to move files to recycle bin or trash.**

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

**Ans: To create Zip file open Zipfile Object in write mode by passing ‘w’ as second argument.**

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.

import os, shutil

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 = ['.php', '.py']

folder = 'randomFolder'

destFolder = 'selectiveFolder'

selectiveCopy(folder, extensions, destFolder)

I was asked for more information but that is all I was given