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

**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??

**C library function - rename ()**

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

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?

On the Windows operating system, unlike in Linux, a file cannot be deleted if there is any process on the system with a file handle open on that file. In this case, you write the file via handle fh and read it back via myzip. Before you can delete it, you have to close both file handles

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.

# Python code to search .mp3 files in current

# folder (We can change file type/name and path

# according to the requirements.

import os

# This is to get the directory that the program

# is currently running in.

dir\_path = os.path.dirname(os.path.realpath(\_\_file\_\_))

for root, dirs, files in os.walk(dir\_path):

    for file in files:

        # change the extension from '.mp3' to

        # the one of your choice.

        if file.endswith('.mp3'):

            print (root+'/'+str(file))