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().

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 : zipfile. ZipFile()

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 :

import os

import shutil

def search\_and\_copy\_files(source\_folder, target\_folder, file\_extension):

if not os.path.exists(target\_folder):

os.makedirs(target\_folder)

for root, dirs, files in os.walk(source\_folder):

for file in files:

if file.endswith(file\_extension):

source\_path = os.path.join(root, file)

target\_path = os.path.join(target\_folder, file)

shutil.copy2(source\_path, target\_path)

print(f"Copied: {source\_path} to {target\_path}")

source\_folder = "D:\gaurav"

target\_folder = "D:\movies"

file\_extension = ".pdf"

search\_and\_copy\_files(source\_folder, target\_folder, file\_extension)