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?

shutil.move() function is used for renaming files.

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

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?

zipfile.ZipFile() function is equivalent to the open() function; the first argument is the filename, and the second argument is the mode to open the ZIP file in (read, write, or append).

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 shutil

filePdf = re.compile(r"""^(.\*?) #text before extension

[.][p][d][f] #extension .pdf

""", re.VERBOSE)

def selectiveCopy(fileExtension):

for pdfFiles in os.listdir("/Users//Desktop/newPDFs"):

locatedFiles = filePdf.search(pdfFiles)

if locatedFiles != None:

print(locatedFiles)

files\_to\_copy = os.path.join("/Users/my\_user\_name/Desktop/newPDFs", pdfFiles) `

shutil.copy(files\_to\_copy, "/Users/my\_user\_name/Desktop/oldPDFs")

print("The following file has been copied " + files\_to\_copy)