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

Answer: shutil.copy() will copy a single file and shutil.copytree() will copy the entire folder and subfolder and all files in it.

2. What function is used to rename files??

Answer: The rename() method can used to rename files or a directory, rename is a function part of the os module.

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

Answer: The delete function in send2trash module will send the files and folders to the recycle bin while delete function in shutil module 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?

Answer: We can use **zipfile.ZipFile(file, mode='r')** method to open a ZipFile to read, or use 'w' mode to overwrite the file from blank, or 'a' to append it.

There is also an open() method to read files within the zip file. These can be accessed as follows :-

```
with ZipFile('full_Path_Of_File') as myZip:

    with myZip.open('Text_File.txt') as newFile:

        print(newFile.read())
```

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.

Answer:

```
import os,shutil
dest = os.getcwd() + '\\test'
source = os.getcwd()
ext=['.pdf','.JPEG','.JPG','.txt','.html']

for e in ext:
    for f in os.listdir(source):
        if f.endswith(e):
            shutil.copy(os.path.join(source,f), dest)
```

#Using shutil.move is giving error [WinError 32]