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

**Ans:**  **shutil.copy()** method is used to copy the contents of a file from one file to another file/folder. It primarily takes two arguments **src**and **dest**. **src** represents the file to be copied where as destination refers to the file/folder to where the **src** data should be copied. If **dest** is a folder name the **src**with exact name will be copied to the**dest** folder whereas if its a file then the contents of **src** will be copied to **dest** where**dest** retains it name.

**shutil.copytree()** function is used to copy the entire contents of a folder to other folder. It also takes two arguments**src** & **dest.** It copies all the content recursively and stores it in **dest.** The important point to note here is that **dest**must not exist prior to this and it will be created during the copy operation. Permissions and times of directories are copied with **shutil.copystat()** and individual files are copied using shutil.copy2() by default which can be modified using **copy\_function** attribute.

**2. What function is used to rename files??**

**Ans: os.rename()** function is used to rename files or directories using a python program. this function takes two arguments **src** and **dest.** **src**represents the name file/directory which we want to rename, whereas **dest** represents the new name of the file/directory.

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

**Ans: Shutil** module provides a **funciton** called as **shutil.rmtree()** which deletes a directory and all of its contents. The other functions with similar functionality are **os.remove()** which removes a file. **os.rmdir()**removes a empty directory. The problem with these functions is once a file is deleted. it will be lost permanently and if a file is deleted accidentally using these methods there is no way we can recover the deleted file

Where as send2trash module provides a function called **send2trash.send2trash()** to delete a file/directory. These methods moves the files/directories to trash folder instead of permanently deleting them. Hence if a file/folder is deleted accidentally using the **send2trash.send2trash()** it can be still recovered from trash folder. **send2trash** is not included with python standard libary like **os** & **shutil** modules. So, it needs to be installed explicitly using the command !**pip install send2trash**

**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 Module provides a method called as **zipfile.ZipFile()** to read and write to zipFiles. it takes arugments such as filename and mode etc **zipfile.ZipFile('filename', mode = 'r')**

**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: **