Title : Python Basic Assignment-10
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1. How do you distinguish between shutil.copy() and shutil.copytree()?

- While 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?

os.rename() method in Python is used to rename a file or directory.

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
- 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?

The **zipfile. ZipFile() function** is equivalent to the open() function.

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 into a new folder.

```python
import os, shutil



def moveFileType(folder):

    for root, dirs, files in os.walk(folder):

            for file in files:

                if file.endswith('.jpg'):

                    image_path=os.path.join(root,file)  # get the path
location of each jpeg image.

                    print('location: ',image_path)

                    shutil.copy(image_path,
'/home/aniket/Documents/assignment')
```

```
moveFileType('/home/aniket/NewFolder/')
```