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

**Ans:**

shutil.copy()  will copy just a file,

shutil.copytree() will copy over directories and all contained folders and files

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

**Ans:** Use the mv command to move files and directories from one directory to another or to rename a file or directory.


**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

The 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:** The 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.**

**Ans:**

```
import re
import os
import shutil


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

```python
        [.][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)
selectiveCopy(filePdf)
```