Renaming and Deleting Files:

- Python os module provides methods that help you perform file-processing operations, such as renaming and deleting files.
- To use this module you need to import it first and then you can call any related functions.

• The rename() Method

- The rename() method takes two arguments, the current filename and the new filename.
- Syntax: os.rename(current_file_name, new_file_name)

```
import os

# Rename a file from test1.txt to test2.txt
os.rename( "test1.txt", "test2.txt" )
```

Delete a File:

- To delete a file, you must import the OS module, and run its os.remove() function:
- Remove the file "text2..txt":
- Check if File exist:
- Check if file exists, then delete it:

```
#Deleting the file
import os
if os.path.exists('text2.txt'):
    os.remove('text2.txt')
else:
    print('The file doesnot exsits')
```

Reading and Writing Binary Files:

- We can usually tell whether a file is binary or text based on its file extension.
- This is because by convention the extension reflects the file format, and it is ultimately the file format that dictates whether the file data is binary or text.
- The string 'b' appended to the mode opens the file in binary mode and now the data is read and written in the form of bytes objects.
- **Write Python Program to Create a New Image from an Existing Image**

```
f1=open("flowers.jpg","rb")
f2=open("newflower.jpg","wb")
pic=f1.read()
f2.write(pic)
#f2.write(f1.read())
print(f"New Image is available with the name\n{f2}")
```

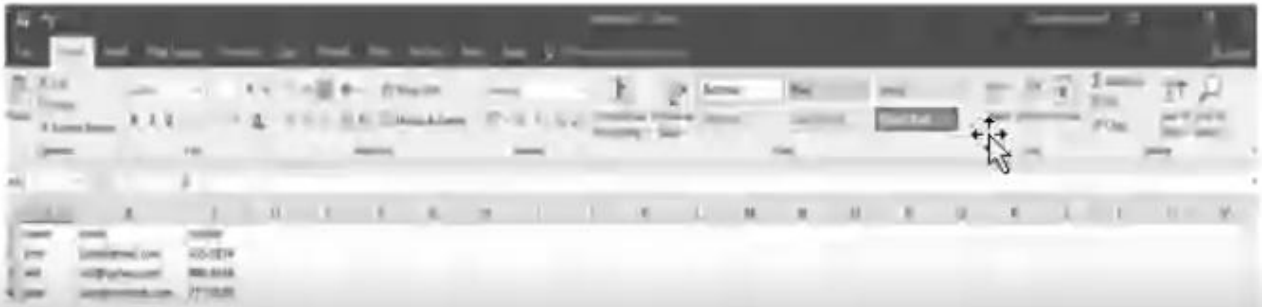
CSV Files:

- CSV (Comma Separated Values) format is the most common import and export format for spreadsheets and databases.
- Since a comma is used to separate the values, this file format is aptly named Comma Separated Values. CSV files have .csv extensions
- Consider the "contacts.csv" file, which when opened in a text editor, the CSV file looks like this

contacts.csv

```
1   name, email, mobile
2   john, john@gmail.com, 555-0134
3   will, will@yahoo.com, 888-3456
4   jane, jane@outlook.com, 777-0189
```

- Opened in Excel, our example CSV file "contacts.csv" looks like this



Reading and Writing CSV Files:

- To read from a CSV file use csv.reader() method. The syntax is,

  csv.reader(csvfile)

- where csv is the module name and csvfile is the file object.
- To write to a CSV file, use the csv.writer() method. The syntax is,

  csv.writer(csvfile)

- where csv is the module name and csvfile is the file object.
- The syntax for writerow() method is,

  csvwriter.writerow(row)