open()

close()

write()

read()

**File Positions**

Using tell() and seek()

**Tell() function**

The current position of the file is known by tell(). It returns the file object present position in the form of integer. In binary mode, the position is presented as the number of bytes from the beginning of the file. In text mode, the position is represented as an opaque number.

|  |
| --- |
| #open a file  myfile = open("test.txt","r+")  #read the file  str=myfile.read(10)  #print the string  print("String is:",str)  pos=myfile.tell()  print("Present position of file:", pos) |

**Seek() function**

The current position of the file can be changed with the help of the seek() function. It indicates the number of bytes to be moved and the point from where the bytes must move,

**Syntax:**

seek(offset[,from])

Where,

Offset = number of bytes to be moved

From = reference position (0:file beginning, 1:current file position, 2: file end)

|  |
| --- |
| #open a file  myfile = open("test.txt","r+")  #read the file  str=myfile.read(10)  #print the string  print("String is:",str)  #find current position  pos=myfile.tell()  print("Present position of file:", pos)  # change current position  pos=myfile.seek(0,0);  str=myfile.read(10);  #print rechecked string  print("rechecked string is:",str) |

**Rename and Remove files**

Using OS module of Python.

import os

Rename () function

Used to change from one file name to new name i.e. rename a file.

Two arguments accepted by rename() are: current\_file\_name and new\_file\_name

**Syntax:**

os.rename(current\_file\_name, new\_file\_name)

|  |
| --- |
| import os  os.rename("test.txt","newfile.txt") |

**The remove() function**

It is used to delete the files. **Syntax:** os.remove(file\_name)

|  |
| --- |
| import os  os.remove(“newfile.txt”) |

**Directories**

mkdir(), chdir(), getcwd(), rmdir()

**The mkdir() function**

|  |
| --- |
| import os  # creating a new directory named "mydir"  os.mkdir("mydir") |

**The getcwd() function**

|  |
| --- |
| import os  #checking the current directory  os.getcwd() |

**The chdir() function**

|  |
| --- |
| import os  path = "/Python27/Doc"  #checking current directory  cur = os.getcwd()  #print current directory  print("Current directory:",cur)  # change the directory  os.chdir(path)  #Recheck current directory  cur = os.getcwd()  #print current directory  print("Current directory:",cur) |

**The rmdir() function**

|  |
| --- |
| import os  # removing the directory "mydir"  os.rmdir("mydir") |

**Other file object functions**

file.flush()

File.fileno

file.isatty()

file.next()

file.readline([size])

file.readlines([sizehint])

file.truncate([size])

file.writelines(sequences)