**Error handling and file handling**

**File handling**

python file operator such as opening a file, reading from it, writing into it, closing it, renaming a file, deleting a file and various file methods.

**Modes of files**

r: open an existing file to a read operation.

W: open an existing file for a write operator if file contain some data then it will be overridden but if the file is not present Creates the file as well then it.

a: open an existing file for append operation. It won't override existing data.

r+: In rt mode, we can read and corite the file panter position 5 at the beginning of the file; If we write the file directly, it will overwrite the beginning Content.

w+: To write and read dita, It will override. existing data.

Read

File=open(“demo.text”,mode = “r”)

C = file.readlines()

Print(c)

File.close( )

File=open(“demo.text”,mode = “r”)

C= file.read( )

Print( c)

write

File=open(“demo.text”,mode = “w”)

C = file.write(“this is my write function”)

File.close(c)

Append

File=open(“demo.text”,mode = “a”)

C= file.write(“this is my append mode function”)

File.close()

R+

Reading a file in r+ mode

Print(‘demo.txt’,’r+’)as fd:

Print(fd.tell())

Print(td.read())

Print(fd.tell())

W+

Reading a file in w+ mode

Print(fd.tell())

Print(fd.read())

Print(fd.tell())

C= fd.write(“this is w+”)

File Methods

Read ( )

Returns the file content

readline()

Read single line

Readlinese ( )

Read file into a list

write()

writes the specified string to the file

wirelines ()

writes a list of strings to the file

close()

closes the opened file

Seek()

set file pointer position in a file

tell()

Returns the coment file location

# opening file in 'wt' mode when it does not exist with open (sample.txt', 'w') as fd:

seek() function is used to change the position of the file Handle to a given specific position.

file handle is like a cursor, which defines from whee The data has to be read or written in the file

f. Seek (0)

Move file pointer to the beginning of a file

## opening five

1) fp = open('demo.txt", "r")

Print (fp.telics)

fp. read(2)

## print the position of handle

print (fp. tell())

fp.seek(0)

print(fp.tell())

#closing a file

Fp.close()

file=open ('demo.txt', mode = 'r+'), #open

Content = file.read() # operation

V=Str(content)

Print (v)

File = V.split()

Print (f)

f.insert (2, 'chetan')

Print (file. tell(c))

file.close()

file = open('demo.txt', mode = 'w')

Print (f)

for i in f:

file. writelines ([i])