Chapter: File handling

File handling

➢Before we can read or write to a file we need to obtain a handle to the file

```
filehandler = open(filename, mode)
```

➢*filehandler* is the reference that open() call returned
➢*filename* is the filepath mentioned as a string
➢*mode* is a string which indicates the file type and what we want to do on it
➢First character of mode : r for read, w for write, x write iff file does not exist, a means append

Lastly we need to close the file handle after we are done with some read or write

```
filehandler.close()
```

Writing to a file

```
>>> stringtowrite = '''I changed my password to \"incorrect\" so when
ever I
enter a wrong password it reminds me saying your password is
incorrect'''
>>> fh= open('trialfile.txt', 'wt')
>>> fh.write(stringtowrite)
>>> fh.close()
>>> fh= open('C:/users/aditya/desktop/trialfile.txt', 'wt')
>>> fh.write(stringtowrite)
>>> fh.close()
```

Reading from a file

```
>>> filehandle = open('trialfile.txt', 'rt')
>>> for line in filehandle:
        print line
>>> filehandle.close()
>>> filehandle = open('trialfile.txt', 'rt')
>>> alllines = filehandle.readlines()
>>> alllines
```

Reading from a file – chunked reading

```
>>> fh = open('C:/users/aditya/desktop/trialfile.txt','r')
>>> chunk=3
>>> while True:
        mytext=fh.read(chunk)
        if not mytext:
                break
        print mytext
```

seeking

Continuing from previous example

```
>>> for line in filehandle:
        print line
>>> filehandle.seek(0)
>>> for line in filehandle:
        print line
```