Assignment No. 8

Q.1 what is file? Explain the methods to close, open the file in python.

Ans- file: A file is a bunch of bytes stored on same storage device.

Opening a file: open() function is used.

Syntax:

File object = open (filename, accessmode, buffering) (bath)

eg:

```
f = open ("file.txt", "r")
if f:
    print ("file is opened successfully")
```

o/p → <class'-io.TextIOwrapper'>
 . file is opened successfully.

close() method:
 It is used to close the opened file. For good practice, it is necessary.

Syntax - fileobject.close()

eg -
```
f = open ("file.txt", "r")
if f:
    print ("file is opened successfully")
f.close()
```

Qu- What is with statement?

Ans-

This statement is used for manipulation of files purposes. The advantage of this statement is that it provides the gaurantee to close the file regardless of how the nested block exists.

It is used in the case where break, return, exception occurs in the nested block of code. If then, automatically closes the file. It doesn't let the file to be corrupted.

e.g:

```
with open ("file.txt", "r") as f:
        content = f.read()
        print (content)
```

Output:

Python is the new language.