File handling is an important part of any application.

Python has several functions for creating, reading, updating, and deleting files.

File Handling

The key function for working with files in Python is the open () function.

The open() function takes two parameters; filename, and mode.

read file

The following mode is used for opening a file for reading:

• "r" - Read - Default value. Opens a file for reading, error if the file does not exist

In addition you can specify if the file should be handled as binary or text mode

- "t" Text Default value. Text mode
- "b" Binary Binary mode (e.g. images)

write to file

There are two modes for opening a file for writing:

- "a" Append Opens a file for appending, creates the file if it does not exist
- "w" Write Opens a file for writing, creates the file if it does not exist

enumerate function

enumerate() is a built-in function of Python. It allows us to loop over something and have an automatic counter.

```
In []: 1 my_list = ['nol', 'bir', 'eki', 'ush']
2 for counter, value in enumerate(my_list):
3     print(counter, value)

In []: 1 # we can use enumerate function to count lines:
2 for counter, line in enumerate(open("sample.txt")):
3     print('line ' + str(counter) + ': ' + line)
```

.split() method

The .split() method splits a string into a list.

You can specify the separator, default separator is any whitespace.

```
In []: 1 s = 'Happy Birthday to You'
2 s_list = s.split(' ')
3 print(s_list)

In []: 1 # split sentences
2 txt = "Hello. My name is Peter. I am 26 years old."
3 x = txt.split(". ")
4 print(x)
```

Practice

```
In [ ]: 1
```