**14.How to handle a file using python?**

**Objective:**

* To see how to handle the files, and its operations in python3.

**Process:**

* **Open a file**.

Python has a built-in function open() to open a file.

It is used to read or modify the file accordingly.

* **Modes of files(Mechanism)**.

‘r’------>Opens a file for reading only(default)

‘w’------>Opens a file for writing only

‘rb’----->Open a file for reading only in binary format

‘rb+’--->Opens a file for both reading and writing in binary format

‘wb’---->Opens a file for writing only in binary format

‘wb+’--->Opens a file for both writing and reading in binary format

* **Close the file**.

When we are done with operations to the file, we need to properly close the file.

File will be close by using Python close().

**Input:**

* Sample text file.

**Output:**

* New file after read the old content and write with new content.

**Source code:**

#read a file using loop and readlines()

#os package for detect the file directory

import os

os.chdir('/home/soft27/.config/spyder-py3')

list=[]

for line in open('read\_it.txt','r').readlines():

list.append(line)

#slicing

list=list[0:10]

str1=''.join(list)

print("-----Before writing the file-----")

print(str1)

#writing the same file with new content

import os

os.chdir('/home/soft27/.config/spyder-py3')

fo = open("read\_it.txt", "w")

fo.write( "Python is a great language.\nIts very easy to learn.\nPython has easy syntax\n")

print("File writting is heppening...")

#close the file

fo.close()

#After writing the file

import os

os.chdir('/home/soft27/.config/spyder-py3')

list=[]

for line in open('read\_it.txt','r').readlines():

list.append(line)

#slicing

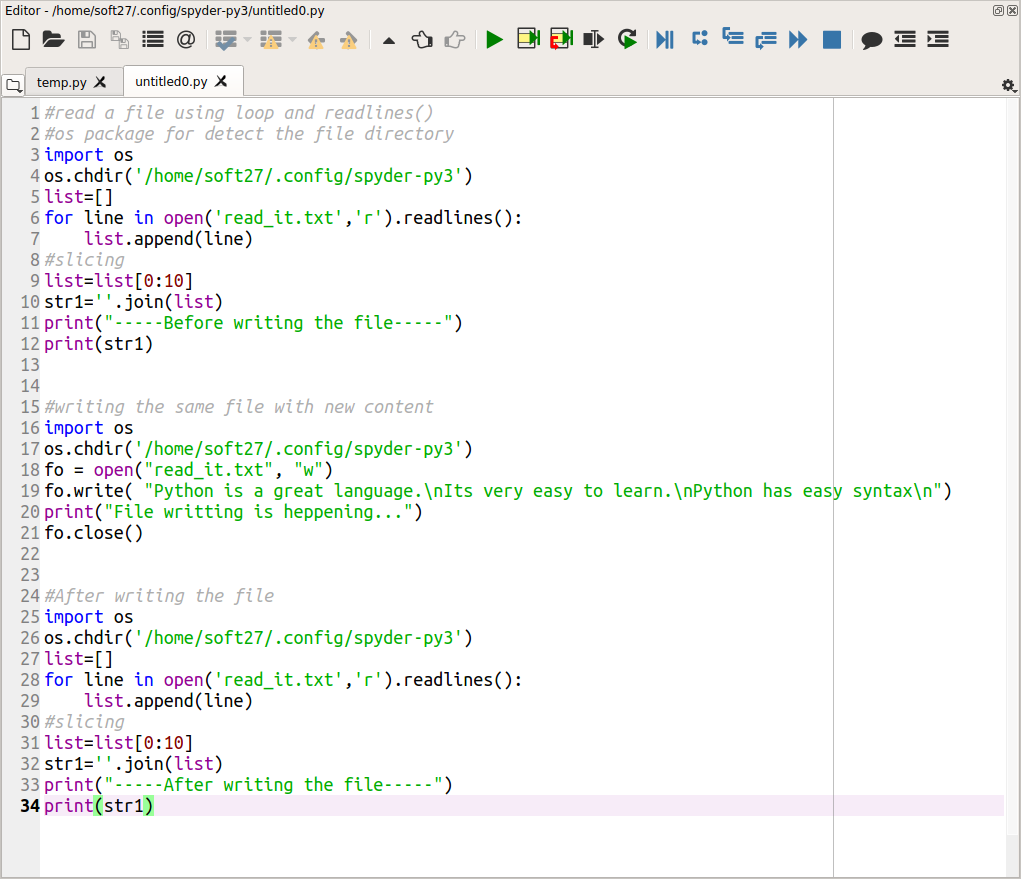
list=list[0:10]

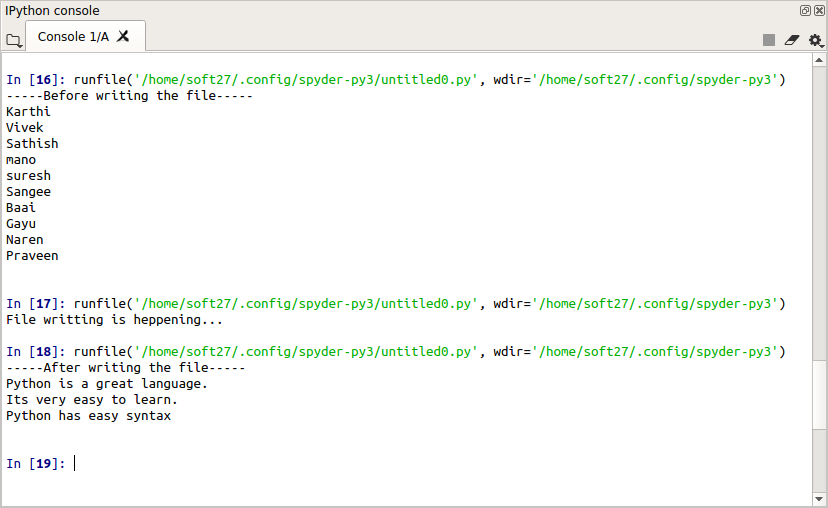
str1=''.join(list)

print("-----After writing the file-----")

print(str1)

**Screen shot:**

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