FILE HANDLING

ASSIGNMENTS

Q.1   Write a python program to read last 2 lines of a text file.

Q.2   Write a python program to count number of lines in a text file.

Q.3   Write a python program to print from line 2 to line 5 (assuming the file has more than 5 lines)

Q.4   Write a python program to insert a new line at the beginning of the file

Q.5   Write a python program to move the contents of a file to an list

Q.6   Write a python program to check given IP address is present in a file

Q.7 What Will Be the Output of the Following Code Snippet?

```python
fo = open("myfile.txt", "w+")
print ("File name is : ", fo.name)
seq="File handling is easy in python"
fo.writelines(seq)
fo.seek(0,0)
for line in fo:
    print (line)
fo.close()
```

Q.8   What Will Be The Output Of The Following Code Snippet?

```python
 import sys
print ('Enter your name: ',)
name = ''
while True:
  c = sys.stdin.read(1)
  if c == '\n':
    break
  name = name + c
print ('Entered name is:', name) #assume that entered name is mykvs.in
```

Q.9 What Will Be The Output Of The Following Code Snippet?

```
fo = open("a.txt", "w+")

print ("File name is : ", fo.name)

txt = "This is 1st line,"

fo.writelines( txt )

seq = " This is 2nd line, This is 3rd line"

fo.seek(0, 2)

fo.writelines( seq )

fo.seek(0,0)

line = fo.readlines()

print ("Read Line: %s" % (line))

fo.close()
```

Q.10 The following sample file called studentmarks.txt contains one line for each student in an imaginary class. The students name is the first thing on each line, followed by some exam scores. The number of scores might be different for each student.

Mohak 10 15 20 30 40

Manish 23 16 19 22

Ria 8 22 17 14 32 17 24 21 2 9 11 17

Joy 12 28 21 45 26 10

Freya 14 32 25 16 89

Using the text file studentmarks.txt write a program that prints out the names of students that have more than five quiz scores.

Q.11 Given a myfile.txt file that has a list of a bunch of names, count how many of each name there are in the file, and print out the results to the screen.

Q.12 Write a Python Program that Reads a Text File and Counts the Number of Times a Certain Letter Appears in the Text File

Q.13 Write a Python Program to Read a Text File and Print all the Numbers Present in the Text File

Q.14 Write a Python Program to Count the Number of Blank Spaces in a Text File.

Q.15 Write a Python Program to Read a File and Capitalize the First Letter of Every Word in the File.

Q.16 Write a Python Program to Read the Contents of a File in Reverse Order

Q.17 What is the purpose of PYTHONPATH environment variable?

Q.18 What is pickling and unpickling?

Q.19 Name the File-related modules in Python?

Q.20 Which command is used to open a file "c:\temp.txt" in read-mode only?

Q.21 Which functions is used to check if a file "icon.txt" exists?

Q.22 Which commands can be used to read "n" number of characters from a file using the file object <file>?

Q.23 What will be the output of the following code snippet?

f= open("myfile.txt", "w+")

print ("Name of the file: ", f.name)

Assuming that the file contains these lines

TechBeamers

Hello Viewers!!

seq="Python programming\nHello Programmers!!"

fo.writelines(seq)

```
f.seek(0,0)
for line in f:
    print (line)
f.close()
```

Q.24 What will be the output of the following code snippet?
```
# Open a file in read-write mode
f = open("myfile.txt", "w+")
print ("Name of the file: ", f.name)
# Assuming file has the following line
txt = "This is 1st line of text file,"
f.writelines( txt )
seq = " This is 2nd line, This is 3rd line of text file"
# Write sequence of lines at the end of the file.
f.seek(0, 2)
f.writelines( seq )
# Now read complete file from beginning.
f.seek(0,0)
line = f.readlines()
print ("Read Line: %s" % (line))
# Close the file
f.close()
```