SET A

```
#1. Write a Python program to read an entire text file.
def file_read(sample):
    txt = open(sample)
    print(txt.read())

file_read("sample.txt")

#2. Write a Python program to compute the number of characters, words
and lines in a file.
file = open("sample.txt","r")

no_of_lines = 0
no_of_words = 0
no_of_char = 0

for line in file:
    line = line.strip("\n")
    words = line.split()

    no_of_lines += 1
    no_of_words += len(words)
    no_of_char += len(line)

file.close()
print("lines:", no_of_lines, "words:", no_of_words, "char:",
no_of_char)

#3. Write a Python script to print the current date in following
format “Sun May 29 02:26:23
#IST 2017”
import time
ltime = time.localtime()
print(time.strftime("%a %b %d %H:%M:%S %Z %Y", ltime))
```

```
Fri Feb 25 10:53:46 UTC 2022
```

SET B

```
#1. Write a Python program to append text to a file and display the
text.
testfile = open("sample.txt", "a")

testfile.write("\n welcome to python practical")
testfile.close()
```

```
appended_file = open("sample.txt", "r")
print(appended_file.read())

#2. Write a Python program to print each line of a file in reverse
order.
f1 = open("sample.txt", "w")

with open("sample.txt", "r") as myfile:
     data = myfile.read()
data_1 = data[::-1]
f1.write(data_1)
f1.close()
print("done")

#3. Write a Python program to append text to a file and display the
text.
def file_read(fname):
        from itertools import islice
        with open(fname, "w") as myfile:
                myfile.write("Python practical\n")
                myfile.write("Assignment 4")
        txt = open(fname)
        print(txt.read())
file_read('sample1.txt')
```