Ex.No 6: Implement various text file operations

(6.4) Student Record file handling.

Date:- 31/9/25

Aim:- To create a text file and store student names with marks and performing text file operations

Algorithm:-

1. Start
2. create a text file for writing
3. write some student records in the file.
4. Read the file.
5. append some of the names & marks to the text file.
6. Print the data on a text file.

Programs:-

```
f= open('students.txt','w')
f.write('alice a 8\n')
f.write('bob 9\n')
f.write('charlie 85\n')
print('students records : \n')
f= open('students.txt','r')
for i in f:
    print(i)
f= open('student.txt','a')
f.write('shradha 90\n')
f.write('bunny 80\n')
f.write('keo 75\n')
```

output:

Student records

alice 95

bob 90

charlie 85

Updated record

alice 95

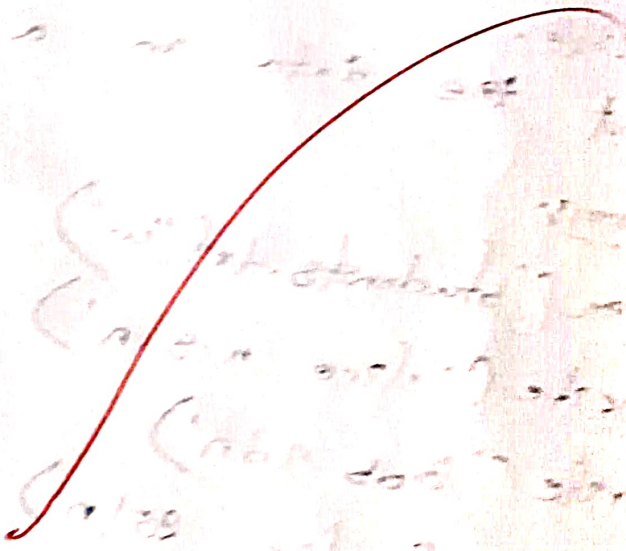
bob 90

charlie 85

shadow 90

Bunny 80

leo 75



```
print('updated records :\n')
f= open('students.txt','r')
for i in f:
  print(i)
```

Result:- The implementation of the students records fake and performing the text file operation and executed successfully.

Text(6.2)

Text file word analyzer

Aim:- To write a python program to read a text file and count no. of lines, words & characters in text file and to display frequency of each word.

Algorithm:-

1. start
2. create a text file
3. Read the text file.
4. Count the number of lines, words, characters in textfile.
5. Display frequency of each word, using loop.
6. close file.
7. stop

Program:-

```
f = open('sample text','w')
f.write('alice 95\n')
f.write('bob 90\n')
f.write('charlie 85\n')
f.write('shradda 90\n')
f.write('sunny 80\n')
f.write('leo 75\n')
f = open('sample.txt','r')
lines = f.read lines()
no_of_lines = len(lines)
print('numbers of lines:',no_of_lines)
```

output:

No: of lines: 6

number of words: 12

Number of characters: 54

90:2

75:1

95:1

Shadow: 1

80:1

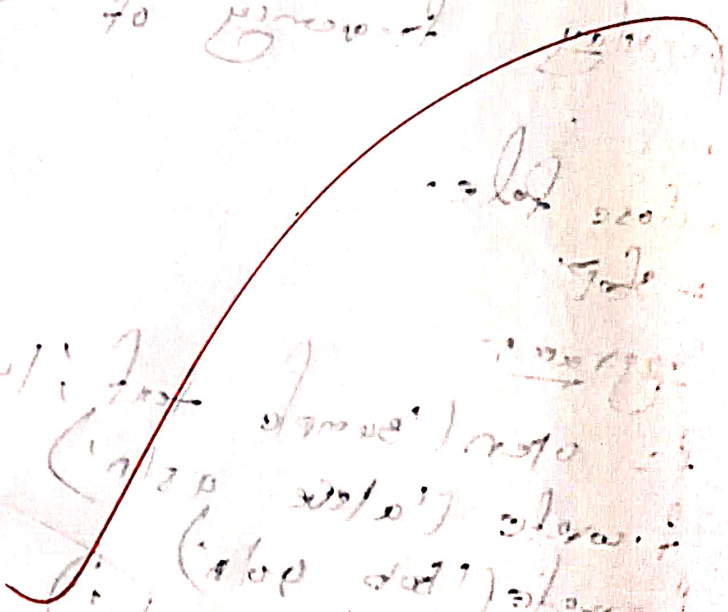
85:1

Sunny: 1

Charlie: 1

bob: 1

alice: 1



```
no-of-words = len(text.split())
print("number of words:", no-of-words)
no-of-char = len(text)
print("number of characters:", no-of-char)
words = text.split()
for word in set(words):
    print(word, ":", words.count(word))
f.close()
```

VEL TECH	
EX NO.	6
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	25
SIGN WITH DATE	

17/10/25

Result:- Python programming to read and perform count of no-of lines, words and characters & display the word frequency on text files is implemented & executed successfully.