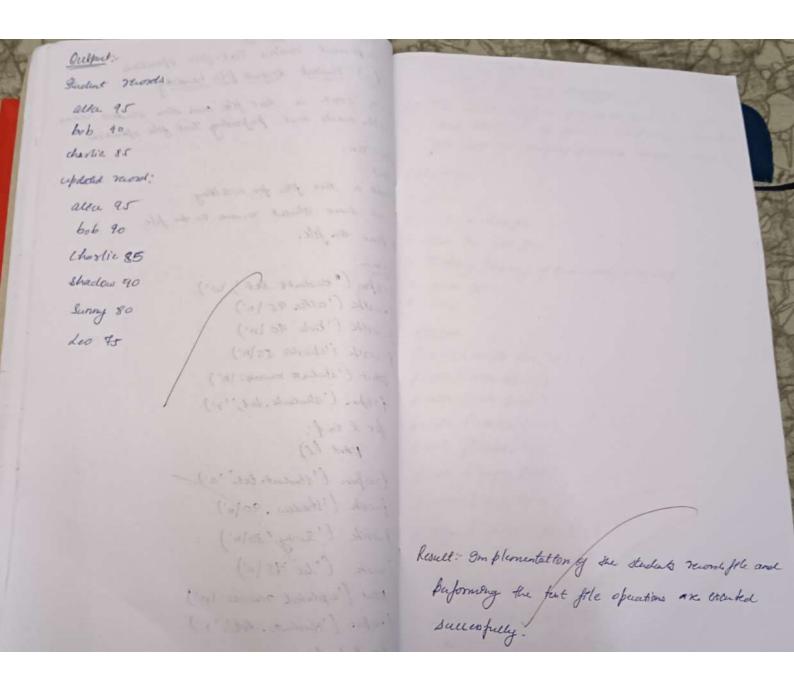Date: 03|09|25   Task - 6

Implement various Text-file operations

(6.a) Student Records file handling

AIM: To create a text file and store student names
with marks and performing text file operation.

ALGORITHM:

1. Start

2. Create a text file for writing

3. write some student records in the file.

4. Read the file.

Program:

```
f = open ("students.txt", 'w')
f.write ('alice 95\n')
f.write ('bob 90\n')
f.write ('charlie 85\n')
print ('students records:\n')
f = open ('students.txt','r')
for l in f:
    print (l)
f = open ('student.txt', 'a')
f.write ('shadow. 90\n')
f.write ('sunny 80\n')
f.write ('leo 75\n')
print ('updated records:\n')
f = open ('students.txt','r')
for l in f:
    print (l)
```

Output:

Student records

alice 95

bob 90

charlie 85

updated record:

alice 95

bob 90

Charlie 85

shadow 90

Sunny 80

Leo 75

Result:- Implementation of the students record file and performing the text file operations are created successfully.

Task (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 to each word.

ALGORITHM:

1. Start
2. Create a text file.
3. Read the text file
4. Display frequency of each word using loop.
5. Close file.
6. Stop

Program:

```
f =open ('Sample txt,"w')
f.write ('alice 95 \n')
f.write ('bob 90|n')
f.write ('charlie 85|n') .
f.write ('shadow 90|n')
f.write ('sunny 80|n')
f.write ('leo 75|n')
f =open ('Sample . txt,'r')
text = f.read()
f=open ('Sample . txt,'r')
lines = f.read lines ()
no.of. lines = len(lines)
```

Output:

No. of lines: 6

Number of words: 12

Number of characters: 54

90: 2

75: 1

95: 1

100: 1

Shadow: 1

80: 1

85: 1

Sunny: 1

charlie: 1

bob: 1

alice: 1

```
print ('number of lines:', no-of-lines)
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 - CSE	
EX NO.	
PERFORMANCE (5)	6
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	5
SIGN WITH DATE	

Result: Python program to read and perform count of no. of lines, words and character & display and frequency in a text files is implemented & executed successfully.