```
Task 6(a): Implement various test file operation 12/9/25
(a) Student Record file Handling.
  Sin: To write a python program to create,
 Read, append, and search student records
 un a text file named students. txt.
 Algorithm:
1. Start
2. Create and open a file students, text in write
  mode & Store name with marks.
3. Read the file contents and display all student
   records.
 4. Append now student data to the same file.
 5. Search for a student name viside the file.
 6. Display the result of the search.
 7. Stop
program:
# Student Record file handling
 des create-file ():
  with open (" Students. txt", "w") as
  n= int (input ("Enter number of student name:"))
   for i in range (n):
     name = input ("Enter student name: ")
     marks = input ("Enter marks:")
     f. worite (name +" "+ marks +" \n")
   des read - tile ();
    with open ("Students. txt", " >") as
     print (" /n/ student records: ")
     print (toread ())
   des append - file ():
     with open ("Students. tret", "a") as
   f:
```

```
name = input ("Enter new students name:")
 marks = upiet (" Enter marks:")
 f. write (name # " " + marks + " In")
des search - Student () ;
    name = input ("Enter name to search:")
    found = false
   with open ("Students - txt", " >") as
f;
 for line in f:
  y name in line:
   print (" Record found: ", line. Strip ())
    found = touce
  if not found:
      print (" Records not found")
# Main Menu
 while True:
  privit ("In --- Student Record Menu --- In")
  print ("1. Oreate file")
   print ("2. Read file")
   print ("3, Append file")
  print ("4. Search Student")
   print ("5. exit")
  choice = int (input ("Enter choice ":"))
    y choice = = 1 °
       Create - file (S
    elij choice = /2;
         read / file()
     elij chokce = = 3:
        Exprend - file ()
     ely choice = = 4:
        Search - Student ()
     ely choice = = 5:
         break:
     else:
print ("Invalid choice!")
```

--- Student Record Menu ---

1. Create Ide

2. Read file

3. Append fêle

4. Search Student

5. Exit

Enter choice: 1

Enter number of Student: 2.

Enter student name: Raj

Enter marks: 90.

Enter Student name: Ravi

Enter marks: 85

Road fil File Created Successfully

H Enter choice: 2

--- Student record ---Ray 90 Ravi 85

Enter choice: 3

Enter new Student name: Meena

athar program was

of predut winig English wort.

and insertion

Enter marks: 95

Record appended Successfully

Enler Choice : 4

Enter name to Search: Ravi

Record found: Ravi 85

Enter choice: 5

Exiting program

File content (student, tat) after execution Asha 90 Ravi 85 Meena 95 for a file students for the contacts the file contents and display all student Type of the studies dais to the some felle mande des a sendate mome miside the date. fighted the result of the seculi. endert from dill has if wente - Juli (). jute open (" students. tet", "10") as no vist (vijut ("Enter number y student nume: ") for I in sange (11): (" enter student ("Enter student mans =) a marks = withit ("Entern marks: ") of contract of the contract of south a perio (" specience test good inte Carol (min) Etungant Lacory 200 CO become the in amount of the Comme

Result: Thus, python program to create, read, append and Search student record in append and slearch student record in a tent file named student. Int is executed.

```
12/9/25
Task 6(B); word count analyzen
Aim: Ho write a python programming to read a text
  file and count the number of Lines, word,
 character, Display the frequency of each word in
  the file and store the analysis in file named
 analysis. txt
                                      Cherockies : 122
                                     manifered Front
Algorithm:
                                            E : HOURTH
1. Start
2. open the text file in read mode
3. Read the contents of the file
4. Count the number of lines, words and character.
5. Find the frequency of each word
6. Display all the count and frequencies
I write the analysis to a new jile named analysis.
& trit
8. Close all files
                                           SULLING 17
9. Stop
 program:
                                      clevete prime t : 1
 filename = input ("Enten filename:")
 with open (filename, 'r') as f:
    tent = f. read ()
  lines = tent. splitlines ()
  words = text. Split ()
  chars = len (tent)
  print ("Lines: ", len (lines))
  print (" words: ", len (words))
  print ("characters: "/, chars)
 fre 9 = {3
 for word in words:
      Word = word. lower(). Strip (1.,!?).
      treq [word] = freq.get (word, 0) + 1
```

and the state of t Sample output Enter filename: Sample. txt ime 3 Sarry w. linés : 2 Words: 17 characters: 122. Word Frequencies: python: 3 shour poss. in hip grap and was B:3 and the contents of the file powergu : 1 easy: 10 hours strong early to resome and any the facilitized of early coord learn: 1 and the court and the fully used: 1 become only one of all thems at the data: 1 Science : 1 inse all place web: 1 development: 1 and : 1 flexame = virguet ("Ente. automation: 1 Altho open (Herranie, & Cost + read though = text = gracecond

E WALLE

; working;

words = text split ()

(Atril) and a consent of the sent

print ("In word Frequencies:")
for w,c in freq. items():

print (f" {w}; {c}")

with open ("analysis, txt", "w") as out:
out. write (f" Lines: {len (lines)}\n words: {len (words)}.
\n chanacters: {chans}\n\n")

Out. write ("word Frequencies: In")
for ω, c in freq. items():

out. write (f" {ω}; {c}\n")

	VEL TECH,	
	EX No.	6
	PERFORMANCE (5)	5
	RESULT AND ANALYSIS (3)	5
	VIVA VOCE (3)	5
	RECORD (4)	
	TOTAL (15)	
	TI- DATE	1000
Result: To write a python programming to execute a word count analyses and stoke it in a ple named analysis.		
Result = 70 Write a light programme		
analyses		
extende si con a analysis.		
at store it in a file named will		
ance specific	0	
txt `		
		and a second of the second