03 09.25 Task 6. Emplement various test tile operation a. Student Record tile Hardling Ain! To wife a python program to. · Oreate a test file and store study names with their months. . Read and display all student one cords , Append new student data to the same file. Algonihm: 1. shoot 2 Cueate/open a file un while made and shore student names with marks 3. Read the file content and display all student one conte 4 Append new student defauls into the dame file wring append made. s. Read and display the updated like content 6. otop program! filename = " situdents. Fxt" with open (filenome, "w") as & f. write ("Alice 85th") f. write ("Bob doin") of write ("charlie 78 \n") point (" Initial necords breated.") point ("In student Recoords:") with open (filename 1 4") as f: Print (f. nead (1) with open (file name, "a") as f. of write ("David 881") print (" new one cord oppended.") print ("In Updated student Hearth:")
with open (Lilename, "") on f'
with print (+ read ())

output in one of ed Initial grecords Greated student Records! Alice 85 Bob as charlie 78 New record appended. update student Records: Alice 85 Boh 90 charlie -18 novid 88

Result'

Thus the paragram to Greate, need and oppend student steaded in text file executed successfully

b. Test File word Analyzes To write a program to: · Read a test file given by the work · aount the number of lines, words and · charactors. · Display the Greavency of each world. Algorithm: 1. 5 00 2. Input a file name 3' open the file in read mode 4. Read the enfine content of the lib s. count: · number of lines > wing needline (). number of chooseder -> using lence c. create a dictionary do store wand 7. Display counts and wood forealvenay 8-5tor Priegram? filename = " Sample. txt" with open (filename, "w") and: f. write ("Python in simple. \n") J. writer 11 Python is Powerful (1n') of write (" mython is easy to lown in") with open (filename, '91") asf: test = f. sneed () with open (filename, "si") as f: lines = f. signalines () num _ lines = len (fines . splitcs)

output s Number of lines:3 Number of words: 12 Number of character: 60 word Frequency: python: 3 13:3 simple:1 powerful: 1 eas 4:1 +0 :1 1 earl n

num_chour = lon (text) woods = text. lower (). split() forequency = f } foor woord in wards: word = word . Storip (".,!?") forequency Cusord] = forequency .gol(usud,0)+1 porinf ("Number of Lines:", num - Lines) Print ("Number of wards:", num_words) print ("Number of characters.", num-Chara) Print ("In word Frequency:") for word, frequenty items (): paint Cuard j: ") foreq) PERFORMANCE (5) RESULT AND ANALYSIS (5) IVA VOCE (5) ECORD (5) OTAL (20) IGN WITH DATE Result: the perogram to seed, count display with equency of each word