Task 6. Implement various. bent tile operations. a. student Record file Handiling Aim) - To create, read, and student records (name and marker) in a tent file.

Algorithm 1. Create afile and write some student records 2. Read and display all records from the file. 3. Add new student records to the file 4. Show the updated records.

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Resulting The program so ccentfully created a text Hild with student records, displayed them, added a new student, and showed the updated records.

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Program comments state historica # create file. withe student records. with open ("students. txt", "w") as f: f. write ("John, 85 In") f. write ("Emma, 92 In") f. write ("Mike, 48 In") (1. 1) Print ("Initial student records:") with open ("students, tut", "r") as tis for line in f: :( ( ) the man is the state of the state o with open ("student; tut" "a ") as f: f. write Caradesh. 881h Diomer vol beggs. print ("In After adding new student ") DE & god with open Custidents. Extuns is Days from vot votil. three elements are the off finished not print (line-strip a). output Initial student records: John, 85 Emma, 92 Mika, 78 After Adding new student: John, 85 Emma,92 Mika, 78 Radeil, 88. Deadings should be on misen as ascentific & dedicating or for war way lefter algorithm are something something.

Program filename = input ("Enter filename:") with open (filename, "") as, fi lines = content - split ("In") numilines = len (lines) words = content. split () new-words -len (words) num=chars=len (content) 10 politic bins bons word-count = {} it stores: tooled, count by cont. for word in words: word = word-lower ()-strip ('.,!?::") if word: word - court (word] = word - court. get (word, o) print (f"Inlines: (non-lines;") print (f" Words: {nun-words3") print (f"characters: (num-chars;") print ("Inword frequency: ") for word, count in word-count. items (): print (f" { word3 : (count3") March 

6. Tent file word Analyzer To count lines, words, characters and display word frequency in a tent file. Algorithm 1. Ask uter for filename 2. Read the file content 3. Count lines, words, and characters. 4. Court how many times each word appears 5. Display all results. Program output Enter filename: sample. Ent lines: 3 words: 15 Characters: 85 word frequency: hello: 2 world:1 this: 1 is:2 VEL TECH - CSE 0:1 test: 2 PERFORMANCE (5) RESULT AND ANALYSIS (5) file:1 VIVA VOCE (5) for: 1 RECORD (5) TOTAL (20) word: 1 SIGN WITH DATE surphyris: 1 Flesult: The program successfully read a tent file, donted with, words, characters, and displayed how money times each word appears in the file.