**4 a). Consider the text file, “Std.txt”, with the details of students like SRN, Name, semester, and section and Avg\_Marks. Read the file, “Std” and display the details of all the students of 4th Semester “ A” Section who have scored more than 75%.**

**Algorithm:**

1. Open the file in append mode
2. Input the number of students
3. For every student, read the SRN, name, semester, section and avg\_marks.
4. Write student’s data in to the file.
5. Close the file
6. Open the file in read mode
7. Display the details of sudents , if average mark >75 && section ==’A’
8. Close the file.

**Coding** :

import os

# Code to add student data into file

ecefile=open("C:\\Users\Dell\AppData\Local\Programs\Python\Python39\stu.txt",'a+')

flag=input("\n You want to update the file Y/N")

if(flag=='Y'):

n=int(input("Enter how many students"))

for i in range(n):

srn,name,sem,sec,avg\_mark=input("Enter the SRN number,name, semester,section and average mark of the student\n").split()

ecefile.writelines(srn+" "+name+" "+sem+" "+sec+" "+avg\_mark+"\n")

ecefile.close()

print("The content of student file are")

mylines=[]

with open("C:\\Users\Dell\AppData\Local\Programs\Python\Python39\stu.txt",'rt') as outfile:

for myline in outfile:

mylines.append(myline.split())

for element in mylines:

avg\_mark=int(element[-1])

sec=str(element[-2])

if(avg\_mark >= 75 and sec=='A'):

print(element)

**Output:**

Std.txt

R19CS20 partha 2 A 88

R19CS21 sarathy 2 B 99

R19CS22 teja 2 A 74

R19CS23 patil 2 A 45

R19CS24 Shree 2 A 98

**Output:**

['R19CS20', 'partha', '2', 'A', '88']

['R19CS24', 'Shree', '2', 'A', '98']