**LINEAR SEARCH ALGORITHM**

Step 1: START

Step 2: Get input from user for number of students they want to enter

Step 3: Create an empty list called students

Step 4: Using for loop, loop through all the names of the students entered by the user which can be used to enter the given names into the empty list called students

For i in range(i, countofnames+1):

y = input()

students .append(y)

END of for loop

Step 5 : Get input from the user for the Name they want to search from the given list

Step 6: define a function called linearoperation then using for loop iterate through each and every elements in the list.

Using IF statement check whether the entered name by the user is there in the list

def linearoperation(names, students):

for student in range (len(students))

if(name==students[student])

print(“Student studies in the class”)

END of IF Statement

END of FOR Loop

Step 7: END