ST.XAVIER’S COLLEGE

(Affiliated to Tribhuvan University)

Maitighar, Kathmandu



**THEORY OF COMPUTATION LAB ASSIGNMENT #12**

**SUBMITTED BY:**

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4th Sem, 2nd Year

**SUBMITTED TO:**

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# 1) WAP for NFA that search text from given file

Source Code

text = input("Enter the text to be searched: ")

states = list()

for i in range(len(text)):

b = str(i+1)

states.append('q' + b)

print(states)

a = input("Enter the file name: ")

if len(a) < 1:

file = open('mbox.txt')

else:

file = open(a)

row = 0

for line in file:

line = line.split()

row = row + 1

column = 0

for item in line:

item = item.split()

column = column + 1

state = 'q0'

for i in range(len(item)):

j = 0

for k in range(len(item[i])):

if item[i][k] == text[k]:

j = j + 1

b = j

state = 'q' + str(b)

continue

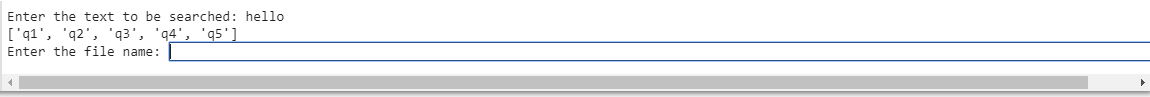
else:

break

if state == states[len(states)-1]:

print("The text is found in line ",row," at ",column," position from left")

**Screenshots**

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