ST.XAVIER’S COLLEGE

(Affiliated to Tribhuvan University)

Maitighar, Kathmandu



**THEORY OF COMPUTATION LAB ASSIGNMENT #8**

**SUBMITTED BY:**

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4th Sem, 2nd Year

**SUBMITTED TO:**

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# 1) Implement NFA over {0,1} that accepts all the strings ending with 01

Source Code

a = input("Enter any string over {0,1}: ")

temp=['q0']

print(temp)

for i in range(len(a)):

b = list()

if 'q1' in temp:

if a[i] == '1':

remp = 'q2'

b.append(remp)

if 'q0' in temp:

if a[i] == '0':

temp = ['q0','q1']

b.append('q0')

b.append('q1')

print(b)

else:

temp = ['q0']

b.append('q0')

print(b)

if 'q2' in b:

print("The string is accepted")

else:

print("The string is not accepted")

**Screenshots**

 