ST.XAVIER’S COLLEGE

(Affiliated to Tribhuvan University)

Maitighar, Kathmandu



**THEORY OF COMPUTATION LAB ASSIGNMENT #4**

**SUBMITTED BY:**

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4th Sem, 2nd Year

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**1) WAP that takes two inputs, first a string (w) and second string (s) over some alphabet set , check whether the string s is substring,proper substring or not.**

**Source Code**

l=[]

w=input("Enter a string::")

s=input("Enter another string to check it its substring or not?::")

for i in range(len(w)):

for j in range(1,(len(w)+1)):

l.append(w[i:j])

while '' in l:

l.remove('')

if(s in l):

if(s==w):

print(s+' is improper substring of '+ w)

else:

print(s+' is proper substring of '+ w)

else:

print(s+' is not improper substring of '+ w)

**Screenshots**

