ST.XAVIER’S COLLEGE

(Affiliated to Tribhuvan University)

Maitighar, Kathmandu



**THEORY OF COMPUTATION LAB ASSIGNMENT #2**

**SUBMITTED BY:**

Pradeep Dahal

017BSCIT029

4th Sem, 2nd Year

**SUBMITTED TO:**

Mr. Ganesh Dhami

Lecturer, Dept. of Computer Science

St. Xavier’s College

Maitighar, Kathmandu

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

**Source Code**

w=input("Enter the main string::")

s=input("Enter the string to check if its prefix::")

lisX=[w[:i] for i in range(1,len(w)+1)]

if s in lisX:

if(w==s):

print("'{}' is proper perfix".format(w))

else:

print("'{}' is improper prefix of '{}'".format(s,w))

else :

print("'{}' is not the prefix of '{}'".format(s,w))

**Screenshots**

