**String DSA Problems**

**Solutions**

1. **Reverse a string**

def reverse(str):

return (str[::-1])

n = input(“Enter string : “)

print(reverse(n))

1. **Palindrome or not**

def palindrome(str):

return str == str[::-1]

n = input(“Enter string :”)

print(palindrome(n))

1. **Number of vowels in a string**

n= input("Enter string : ")

count = 0

for i in n:

if (i=='a' or i=='e' or i=='i' or i=='o' or i=='u'):

count += 1

print(count)

1. **String contains only digit**

def digit(num):

return num.isdigit()

str = input("Enter string : ")

print (digit(str))

1. **Remove duplicate characters and print the result**

def duplicate(str):

return ''.join (sorted(set(str), key = str.index))

n = input("Enter string : " )

print(duplicate(n))

1. **Remove special characters in a string**

a = input("Enter String : ")

result = []

for i in a:

if i.isalnum():

result.append(i)

print(result)

1. **Split and join the string**

a = input("Enter string : ")

print(a.split(' '))

print('-'.join(a.split()))

1. **First letter of a word is uppercase**

a = input("Enter string : ")

print(a[0].upper()+a[1:])

1. **Print unique characters**

a = input("Enter string : ")

print(set(a))

1. **Left and right rotation of a string**

a = input("Enter string : ")

d = 3

LFirst = a[0: d]

LSecond = a[d:]

RFirst = a[0: len(a) - d]

RSecond = a[len(a) - d:]

print(LSecond+LFirst)

print(RSecond+RFirst)