1. Write a Python program to reverse a list of numbers given.

Ex: the given list is [10, 20, 5, 4, 33, 22]

Your program should print [22, 33, 4, 5, 20, 10]

# store this list in a variable

lst = [10, 20, 5, 4, 33, 22]

# use string slicing

print (lst [ : :-1]) indexing and slicing uses

1. Write a program to find out how many strings are there in the given list.

Ex: the given list is [10, 20, 'aaa', 'bbb', 33.5, 'ccc', 88, 'bbb', 25]

Your program output: There are 4 strings in the given list

# store the list in variable

lst=[10,20,'aaa','bbb',33.5,'ccc',88,'bbb',25]

# declear variable count and set to zero

count=0

# use for loop for list, type() this function is used to see the datatype of variable

for i in lst:

if type(i)==str:

count=count+1

# print the count variable

print ("there are ",count,"string in the given list ")

1. Write a program to count the number of zeros in a given number.

Ex: the given number is 10203

Your program output: There are 2 zeros in the given number.

# store the number in any variable

n=10203

# then conver datatype of a to str datatype and store in another variable m=str(n)

# now we can apply string functions or methods to this

print ("there are ", m.count('0'), "zeros in the given number")

1. Write a program to know if a given string is palindrome or not.

Note: Palindrome is a string that gives the same string when reversed.

Ex: the given string is 'malayalam'

Your program output: malayalam is palindrome.

# create variable then store the string

word = "malayalam"

# use condition stment and slicing to reverse the string

if word == word [::-1]:

print (word,"this is palidrom")

else: print (word,"this not palidrom")