1. Write a Python Program to Add Two Matrices?

def add\_matrix(X,Y):

return [[X[i][j]+Y[i][j] for j in range(len(X[0]))]for i in range(len(X))]

X=[[12,7,3],[4,5,6],[7,8,9]]

Y=[[5,8,1],[6,7,3],[4,5,9]]

add\_matrix(X,Y)

1. Write a Python Program to Multiply Two Matrices?

def mul\_matrix(X,Y):

return [[sum(a\*b for a,b in zip(X\_row,Y\_col))for Y\_col in zip(\*Y)]for X\_row in X]

X = [[12,7,3],[4 ,5,6], [7 ,8,9]]

Y=[[5,8,1,2],[6,7,3,0],[4,5,9,1]]

mul\_matrix(X,Y)

1. Write a Python Program to Transpose a Matrix?

def matrix\_transpose(X):

return [[X[j][i] for j in range(len(X))] for i in range(len(X[0]))]

X = [[12,7,3],[4 ,5,6]]

matrix\_transpose(X)

1. Write a Python Program to Sort Words in Alphabetic Order?

def sort\_words\_in\_sentence():

s=input('enter a string:')

sort=sorted(s.split(' '))

print(' '.join(sort))

sort\_words\_in\_sentence()

1. Write a Python Program to Remove Punctuation From a String?

def remove\_punc():

punctuations = '''!()-[]{};:'"\,<>./?@#$%^&\*\_~'''

s=input('enter string')

no\_punc=''

for char in s:

if char not in punctuations:

no\_punc+=char

return no\_punc

remove\_punc()