1. Write a Python Program to Add Two Matrices?

# Python Program to Add Two Matrices

# Declare two matrices

X = [[1,2,3],

[2,3,4],

[4,5,6]]

Y = [[9,8,7],

[8,7,6],

[7,6,5]]

result = [[0,0,0],

[0,0,0],

[0,0,0]]

# iterate through rows

for i in range(len(X)):

# iterate through columns

for j in range(len(X[0])):

result[i][j] = X[i][j] + Y[i][j]

1. Write a Python Program to Multiply Two Matrices?

# Python Program to Multiply Two Matrices

# Declare two matrices

X = [[1,2,3],

[2,3,4],

[4,5,6]]

Y = [[9,8,7],

[8,7,6],

[7,6,5]]

result = [[0,0,0],

[0,0,0],

[0,0,0]]

# iterate through rows

for i in range(len(X)):

# iterate through columns

for j in range(len(X[0])):

result[i][j] = X[i][j] \* Y[i][j]

# print the result of product of matrices

for r in result:

print(r)

1. Write a Python Program to Transpose a Matrix?

# Python Program to Transpose a Matrix

# Declare a matrix

X = [[12,7],

[4 ,5],

[3 ,8]]

result = [[0,0,0],

[0,0,0]]

# iterate through rows

for i in range(len(X)):

# iterate through columns

for j in range(len(X[0])):

result[j][i] = X[i][j]

# print the transposed matrix

for r in result:

print(r)

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

# Python Program to Sort Words in Alphabetic Order

# Declare a string

str1 = "Hello this is a python program to Sort Words in Alphabetic Order"

# breakdown the string into a list of words

# and store it in list object

words = [word.lower() for word in str1.split()]

# sort the list words

words.sort()

# print the sorted list

print(words)

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

# Python Program to Remove Punctuation From a String

# define punctuation

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

# define a string with some punctuations

str1 = "Hi! sample # punctuation<>"

# remove punctuation from the string

no\_pun = ""

for char in str1:

if char not in punctuations:

no\_pun = no\_pun + char

# display the unpunctuated string

print(no\_pun)