1. Write a Python Program to Add Two Matrices?

**Ans:** X = [[12,7,3],  
 [4 ,5,6],  
 [7 ,8,9]]  
Y = [[5,8,1],  
 [6,7,3],  
 [4,5,9]]  
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]  
for r in result:  
 print(r)

1. Write a Python Program to Multiply Two Matrices?

**Ans:** X = [[12,7,3],  
 [4 ,5,6],  
 [7 ,8,9]]  
Y = [[5,8,1],  
 [6,7,3],  
 [4,5,9]]  
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]  
for r in result:  
 print(r)

1. Write a Python Program to Transpose a Matrix?

**Ans:** X = [[22,97],  
 [40 ,15],  
 [30 ,84]]  
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]  
for r in result:  
 print(r)

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

**Ans:** my\_str = "Hello this Is an Example With cased letters"  
# breakdown the string into a list of words  
words = [word.lower() for word in my\_str.split()]  
# sort the list  
words.sort()  
# display the sorted words  
print("The sorted words are:")  
for word in words:  
 print(word)

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

**Ans:** punctuations = '''!()-[]{};:'"\,<>./?@#$%^&\*\_~'''  
my\_str = "Hello!!!, he said ---and went."  
# remove punctuation from the string  
no\_punct = ""  
for char in my\_str:  
 if char not in punctuations:  
 no\_punct = no\_punct + char  
# display the unpunctuated string  
print(no\_punct)