1. Write a Python Program to Add Two Matrices?

**Ans: X = [[1,2,3],**

**[4 ,5,6],**

**[7 ,8,9]]**

**Y = [[9,8,7],**

**[6,5,4],**

**[3,2,1]]**

**result = [[X[i][j] + Y[i][j] for j in range**

**(len(X[0]))] for i in range(len(X))]**

**for r in result:**

**print(r)**

1. Write a Python Program to Multiply Two Matrices?

**Ans: A = [[12, 7, 3],**

**[4, 5, 6],**

**[7, 8, 9]]**

**B = [[5, 8, 1, 2],**

**[6, 7, 3, 0],**

**[4, 5, 9, 1]]**

**result = [[sum(a \* b for a, b in zip(A\_row, B\_col))**

**for B\_col in zip(\*B)]**

**for A\_row in A]**

**for r in result:**

**print(r)**

1. Write a Python Program to Transpose a Matrix?

**Ans: X = [[12,7],**

**[4 ,5],**

**[3 ,8]]**

**result = [[0,0,0],**

**[0,0,0]]**

**for i in range(len(X)):**

**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 = input("Enter a string: ")**

**words = [word.lower() for word in my\_str.split()]**

**words.sort()**

**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 = input("Enter a string: ")**

**no\_punct = ""**

**for char in my\_str:**

**if char not in punctuations:**

**no\_punct = no\_punct + char**

**print(no\_punct)**