1. ***Write a Python Program to Add Two Matrices?***

***rows=int(input("Enter the Number of rows : " ))***

***column=int(input("Enter the Number of Columns: "))***

***print("Enter the elements of First Matrix:")***

***matrix\_a= [[int(input()) for i in range(column)] for i in range(rows)]***

***print("First Matrix is: ")***

***for n in matrix\_a:***

***print(n)***

***print("Enter the elements of Second Matrix:")***

***matrix\_b= [[int(input()) for i in range(column)] for i in range(rows)]***

***for n in matrix\_b:***

***print(n)***

***res=[[0 for i in range(column)] for i in range(rows)]***

***for i in range(rows):***

***for j in range(column):***

***res[i][j] = matrix\_a[i][j]+matrix\_b[i][j]***

***print("The Sum of two Matrices is : ")***

***for r in res:***

***print(r)***

1. ***Write a Python Program to Multiply Two Matrices?***

***rows\_a=int(input("Enter the Number of rows" ))***

***column\_a=int(input("Enter the Number of Columns"))***

***print("Enter the elements of First Matrix:")***

***matrix\_a=[[int(input()) for i in range(column\_a)] for i in range(rows\_a)]***

***print("First Matrix is: ")***

***for n in matrix\_a:***

***print(n)***

***column\_b=int(input("Enter the Number of Columns for the second matrix: "))***

***print("Enter the elements of Second Matrix:")***

***matrix\_b=[[int(input()) for i in range(column\_b)] for i in range(column\_a)]***

***for n in matrix\_b:***

***print(n)***

***res=[[0 for i in range(column\_b)] for i in range(rows\_a)]***

***for i in range(len(matrix\_a)):***

***for j in range(len(matrix\_b[0])):***

***for k in range(len(matrix\_b)):***

***res[i][j]+=matrix\_a[i][k]\*matrix\_b[k][j]***

***print("The product matrix is: ")***

***for r in res:***

***print(r)***

1. ***Write a Python Program to Transpose a Matrix?***

***rows=int(input("Enter the Number of rows : " ))***

***column=int(input("Enter the Number of Columns: "))***

***print("Enter the elements of a Matrix:")***

***matrix=[[int(input()) for i in range(column)] for i in range(rows)]***

***print("The Matrix is")***

***for n in matrix:***

***print(n)***

***res=[[0 for i in range(rows)] for j in range(column)]***

***for r in range(rows):***

***for c in range(column):***

***res[c][r]=matrix[r][c]***

***print("Transpose matrix is: ")***

***for r in res:***

***print(r)***

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

***string=input("Enter the String: ").lower()***

***word\_list = string.split()***

***word\_list.sort()***

***print("Sorted words of String are:")***

***for i in word\_list:***

***print(i)***

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

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

***my\_str=input("Enter a string: ")***

***remov\_punct=""***

***for char in my\_str:***

***if char not in punctuation:***

***remov\_punct+=char***

***print(remov\_punct)***