1. Write a Python Program to Add Two Matrices?

```
In [1]:
          1 A = [[1,2,3],
                 [4,5,6],
                 [7,8,9]]
          4 \mid B = [[1,2,3],
                 [4,5,6],
          6
                 [7,8,9]]
          7
          8 result=[[0,0,0],
          9
                     [0,0,0],
         10
                     [0,0,0]
         11
         12 for i in range(len(A)):
         13
                 for j in range(len(B[0])):
                     result[i][j] = A[i][j] + B[i][j]
         14
         15
         16 for k in result:
         17
                 print(k)
        [2, 4, 6]
        [8, 10, 12]
```

2. Write a Python Program to Multiply Two Matrices?

[14, 16, 18]

```
1 \mid A = [[1,2,3],
In [2]:
                 [4,5,6],
                 [7,8,9]]
          4 \mid B = [[1,2,3],
          5
                 [4,5,6],
          6
                 [7,8,9]]
          7
          8 result=[[0,0,0],
          9
                     [0,0,0],
                     [0,0,0]]
         10
         11
         12 for i in range(len(A)):
         13
                 for j in range(len(B[0])):
         14
                     result[i][j] = A[i][j] * B[i][j]
         15
         16 for k in result:
         17
                 print(k)
        [1, 4, 9]
        [16, 25, 36]
        [49, 64, 81]
```

3. Write a Python Program to Transpose a Matrix?

```
1 \mid A = [[1,2,3],
In [3]:
          2
                 [4,5,6],
          3
                 [7,8,9]]
            result=[[0,0,0],
          6
                     [0,0,0],
          7
                     [0,0,0]]
          8
            for i in range(len(A)):
             for j in range(len(A[0])):
                    result[j][i] = A[i][j]
         12 | for k in result:
                print(k)
        [1, 4, 7]
        [2, 5, 8]
        [3, 6, 9]
```

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

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

```
In [5]: 1 statement = "Hai! How are you? Hope you are doing good"

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

no_punct = ""
for i in statement:
    if i not in punctuations:
        no_punct = no_punct + i

print(no_punct)
```

Hai How are you Hope you are doing good

```
In [ ]: 1
```