Assignment - 8

1A.

```python
result=[[0,0,0],[0,0,0]]

for i in range(len(a1)):

    for j in range(len(a1[0])):

        result[i][j]=a1[i][j]+b1[i][j]

for r in result:

    print(r)
```

2A.

```python
X = [[12,7,3],

    [4 ,5,6],

    [7 ,8,9]]

Y = [[5,8,1,2],

    [6,7,3,0],

    [4,5,9,1]]

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

        [0,0,0,0],

        [0,0,0,0]]


for i in range(len(X)):

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

        for k in range(len(Y)):

            result[i][j] += X[i][k] * Y[k][j]
```

```
for r in result:

    print(r)
```

3A.

```
X = [[12,7],

    [4 ,5],

    [3 ,8]]


result = [[0,0,0],

        [0,0,0]]


# iterate through rows
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)
```

4A.

```
my_str = "Hello this Is an Example With cased letters"

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

words.sort()


print("The sorted words are:")

for word in words:
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```
    print(word)
```

5A.

```
# define punctuation

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

my_str = "Hello!!!, he said ---and went."


no_punct = ""

for char in my_str:

    if char not in punctuations:

        no_punct = no_punct + char


print(no_punct)
```