

PRACTICAL--7

Program to add two matrices using nested loop

```
X = [[1,2,3],  
      [4 ,5,6],  
      [7 ,8,9]]
```

```
Y = [[9,8,7],  
      [6,5,4],  
      [3,2,1]]
```

```
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)
```