## Day - 2: Arrays-II

**Problem 1:** Given a matrix, your task is to rotate the matrix 90 degrees clockwise.

```
def rotate_matrix(matrix):
  n = len(matrix)
  for i in range(n):
     for j in range(i, n):
       matrix[i][j], matrix[j][i] = matrix[j][i], matrix[i][j]
  for i in range(n):
     matrix[i] = matrix[i][::-1]
  return matrix
# Example 1
arr = [[1, 2, 3], [4, 5, 6], [7, 8, 9]]
print(rotate_matrix(arr))
print("Rotated Image")
for i in range(len(arr)):
  for j in range(len(arr[0])):
     print(arr[i][j], end=" ")
  print()
```

```
# Example 1
arr = [[1, 2, 3], [4, 5, 6], [7, 8, 9]]
print(rotate_matrix(arr))
print("Rotated Image")
for i in range(lem(arr)):
    for j in range(lem(arr[0])):
        print(arr[i][j], end=" ")
        print()

print()

Rotated Image
7 4 1
8 5 2
9 6 3
```