Problem 2: Given a row–wise sorted matrix of size r*c, where r is no.of rows and c is no. of columns, find the median in the given matrix.
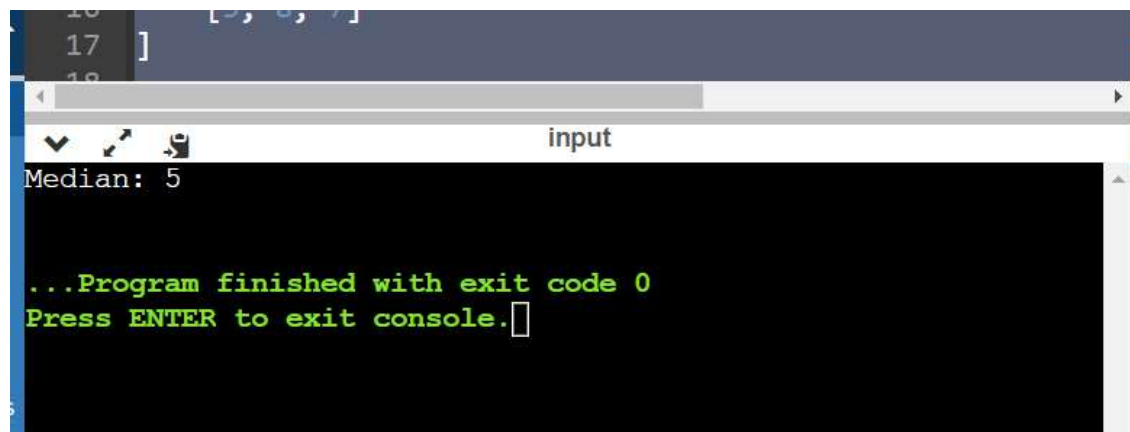
```python
def find_median(matrix):
    rows, cols = len(matrix), len(matrix[0])
    arr = []
    for i in range(rows):
        for j in range(cols):
            arr.append(matrix[i][j])

    arr.sort()
    middle_idx = len(arr) // 2
    median = arr[middle_idx]

    return median
matrix = [
    [1, 4, 9],
    [2, 5, 6],
    [3, 8, 7]
]


median = find_median(matrix)
print("Median:", median)
```