

EXPERIMENT 4:

TO COUNT NUMBER OF PAIRS IN ARRAY

PROGRAM:

```
1 def countPairs(nums, k):
2     n = len(nums)
3     count = 0
4     for i in range(n):
5         for j in range(i + 1, n):
6             if nums[i] == nums[j] and (i * j) % k == 0:
7                 count += 1
8     return count
9 nums = [3, 1, 2, 2, 2, 1, 3]
10 k = 2
11 print(countPairs(nums, k))
12
```

OUTPUT:

4

=== Code Execution Successful ===