

EXPERIMENT 3:

TO FIND SUM OF SQUARES OF DISTINCT COUNTS IN ARRAY

PROGRAM:

```
1 def sumOfSquaresOfDistinctCounts(nums):
2     n = len(nums)
3     total = 0
4     for i in range(n):
5         distinct = set()
6         for j in range(i, n):
7             distinct.add(nums[j])
8             count = len(distinct)
9             total += count ** 2
10    return total
11    nums = [1, 2, 1]
12    print(sumOfSquaresOfDistinctCounts(nums))
```

OUTPUT:

15

=== Code Execution Successful ===