

# EXPERIMENT-4

## NUMBER OF PAIRS

### PROGRAM:

The screenshot shows the Programiz Python Online Compiler interface. The code file is named 'main.py' and contains the following Python code:

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

The interface includes a 'Run' button and other standard compiler controls.

### OUTPUT:

The screenshot shows the output window of the Programiz Python Online Compiler. The output is:

```
4
==== Code Execution Successful ===
```

The output window also includes a 'Clear' button and a 'Programiz PRO >' link.