EXPERIMENT-8

TO FIND BUBBLE SORT

PROGRAM:

Programiz Python Online Compiler

main.py

Share Run

```
def bubble_sort(arr):
    n = len(arr)
    for i in range(n):
        for j in range(0, n-i-1):
            if arr[j] > arr[j+1]:
                arr[j], arr[j+1] = arr[j+1], arr[j]
    return arr
nums = [5, 2, 3, 1, 4]
sorted_nums = bubble_sort(nums)
print("Sorted array:", sorted_nums)
```

OUTPUT:

Program

Output

```
Sorted array: [1, 2, 3, 4, 5]

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