Day 45 coding Statement : Write Program to find smallest and largest element in an array

Description: Get an array as input from the user and then find the smallest and largest element in the array.

Input:

Enter the size of array : 5

Enter the elements : 10 20 5 40 30

Output:

Smallest Number : 5

Largest Number : 40

CODE:

```python
arr_size = int(input("Enter the size of array: "))
arr = list(map(int, input("Enter the Array elements: ").split()))
# print("Smallest number of array: ", min(arr))
# print("Smallest number of array: ", max(arr))
for i in range(arr_size):
    for j in range(i, arr_size):
        if arr[i] <= arr[j]:
            pass
        else:
            temp = arr[i]
            arr[i] = arr[j]
            arr[j] = temp
print()
print("Smallest Number in Array: ", arr[0])
print("Largest Number in Array: ", arr[-1])
```

OUTPUT:

```
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C:\Users\Vivek\AppData\Local\Programs\Python\
Enter the size of array: 5
Enter the Array elements: 10 20 5 30 40

Smallest Number in Array:  5
Largest Number in Array:  40

Process finished with exit code 0
```