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In [7]: #Name: Mohith Dande
def second_largest(arr):
    if len(arr) < 2:
        return None # Not enough elements

    largest = second = float('-inf') # Use Python's smallest float

    for num in arr:
        if num > largest:
            second = largest
            largest = num
        elif num != largest and num > second:
            second = num

    return second if second != float('-inf') else None

# Input from user
n = int(input("Enter number of elements: "))
arr = list(map(int, input("Enter numbers: ").split()))

# Edge case check
if n < 2:
    print("Need at least two numbers.")
else:
    result = second_largest(arr)
    if result is None:
        print("No distinct second largest number found.")
    else:
        print("Second largest:", result)
```

Second largest: 40

In [ ]: