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#array sorting
#Initialize array
arr = [5, 2, 8, 7, 1];
temp = 0;

#Displaying elements of original array
print("Elements of original array: ");
for i in range(0, len(arr)):
    print(arr[i], end=" ");

#Sort the array in ascending order
for i in range(0, len(arr)):
    for j in range(i+1, len(arr)):
        if(arr[i] < arr[j]):
            temp = arr[i];
            arr[i] = arr[j];
            arr[j] = temp;

print();

#Displaying elements of the array after sorting

print("Elements of array sorted in descending order: ");
for i in range(0, len(arr)):
    print(arr[i], end=" ");
```

