def shell\_sort(arr):

n = len(arr)

gap = n // 2

while gap > 0:

for i in range(gap, n):

temp = arr[i]

j = i

while j >= gap and arr[j - gap] > temp:

arr[j] = arr[j - gap]

j -= gap

arr[j] = temp

gap //= 2

# Input: Second-year student percentages

percentages = [78.5, 88.3, 92.1, 71.4, 85.6, 90.2, 68.9, 76.3]

# Sort the array in ascending order

shell\_sort(percentages)

# Display the sorted percentages

print("Sorted Percentages:", percentages)

# Display the top five scores

top\_five = percentages[-5:] # Get the last 5 scores

top\_five.reverse() # Reverse to display in descending order

print("Top Five Scores:", top\_five)