### **7.)Find the Largest Subsequence (Subarray) Sum**

def max\_subsequence\_sum(arr):

if not arr:

return 0

max\_current = max\_global = arr[0]

for num in arr[1:]:

max\_current = max(num, max\_current + num)

if max\_current > max\_global:

max\_global = max\_current

return max\_global

# Example usage

arr = [-2, 1, -3, 4, -1, 2, 1, -5, 4]

result = max\_subsequence\_sum(arr)

print("Largest subsequence sum is:", result)

**Output:**

Largest subsequence sum is: 6