**Problem 3:** Given two equally sized 1-D arrays **A, B** containing **N** integers each.

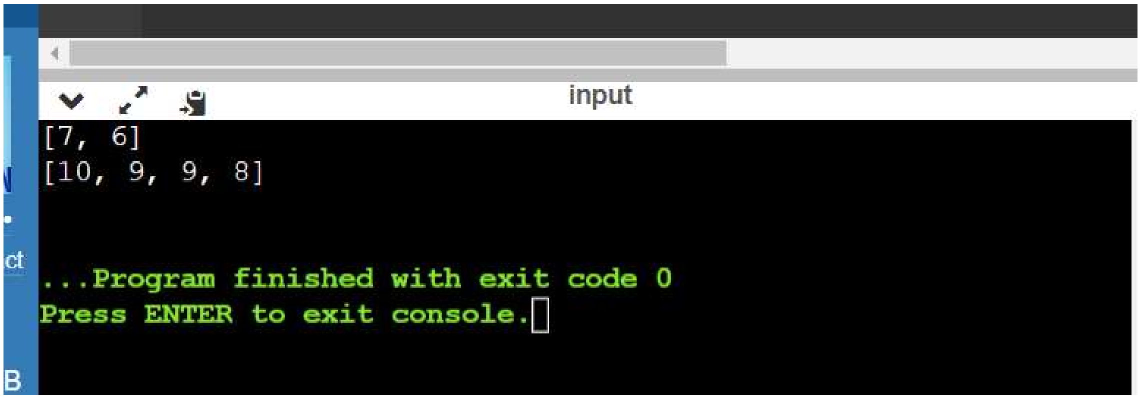
A **sum combination** is made by adding one element from array **A** and another element of array **B**.

Return the **maximum C valid sum combinations** from all the possible sum combinations**.**

```
def find_max_sum_combinations(A, B, C):
    combinations = []
    for num_a in A:
        for num_b in B:
            combinations.append(num_a + num_b)
    combinations.sort(reverse=True)
    return combinations[:C]


A1 = [3, 2]
B1 = [1, 4]
C1 = 2
print(find_max_sum_combinations(A1, B1, C1))


A2 = [1, 4, 2, 3]
B2 = [2, 5, 1, 6]
C2 = 4
print(find_max_sum_combinations(A2, B2, C2))
```



```
[7, 6]
[10, 9, 9, 8]


...Program finished with exit code 0
Press ENTER to exit console.
```