

* Problem statement :-

- You are given a 2D array where each row represents a customer & each value in the row represents the amount of money in one of their bank accounts.
- Calculate the total wealth for each customer (sum of all their bank accounts)
- & return the highest wealth among all customers.

* Examples :-

accounts = $[[1, 2, 3], [3, 2, 1]]$

Total wealth of customer 1 = $1+2+3 = 6$

Total wealth of customer 2 = $3+2+1 = 6$

} Both the customers have same wealth. So answer = 6

accounts = $[[1, 5], [7, 3], [3, 5]]$

1st customer = $1+5 = 6$

2nd customer = $7+3 = 10 \rightarrow$ Richest

3rd customer = $3+5 = 8$

* Solution :-

1) Initialize maxWealth = 0

2) For each customer i in accounts:

3) Initialize sum = 0

4) For each bank account j of customer i :

$$\text{sum} = \text{sum} + \text{accounts}[i][j]$$

5) maxWealth = max(maxWealth, sum)

6) Return maxWealth

Time complexity :- $O(m \times n)$

Space complexity :- $O(1)$