

## PRACTICE QUESTION -1

### Q1. The King's Feast

The King has  $n$  plates of food, each with a certain quantity. He wants to know the maximum food plate.

- **Input:**  $n=5$ ,  $arr=[2,7,1,9,5]$
- **Output:** 9
- **Constraints:**  $1 \leq n \leq 10^5$ ,  $-10^9 \leq arr[i] \leq 10^9$

```
01.cpp > main()
1 //kings feast
2 #include <iostream>
3 using namespace std;
4 int maxPlate(int arr[],int n){
5     int max=arr[0];
6     for(int i=0; i<n; i++){
7         if(arr[i]>max){
8             max=arr[i];
9         }
10    }
11    return max;
12 }
13
14 int main() {
15     int n;
16     cin >> n;
17     int arr[n];
18     for(int i=0; i<n; i++){
19         cin >> arr[i];
20     }
21     cout << maxPlate(arr, n) << endl;
22 }
23 }
```

Debug Console (⇧⌘Y)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

anshikathakur@Anshikas-Laptop myCproject % g++ 01.cpp && ./a.out

5

2 7 1 9 5

9

anshikathakur@Anshikas-Laptop myCproject %