DAY 5

Maadhav Hira

22BCS10380

KPIT-901(A)

common element in 3 sorted arrays

Active code page: 65001

C:\Users\Gaurav Kumar\OneDrive\Desktop\class>cd "c:\Users\Gaurav Kumar\OneDrive\Desktop\class\" && g++ day5ques1.cpp -o day5ques1 && "c:\Users\Gaurav Kumar\OneDrive\Desktop\class\"day5ques1 Common elements: 20 80

c:\Users\Gaurav Kumar\OneDrive\Desktop\class>

search in 2d matrix



Find First and Last Position of Element in Sorted Array.



Pair Sum Closet to 0.

```
# disclude clostream
# slinchuse clostream
# slinchuse clostream
# slinchuse clostream
# slinchuse calportitum
# slinchuse cal
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR SPELL CHECKER

Active code page: 65901

C:\Users\Gaurav Kumar\OneDrive\Desktop\class>cd "c:\Users\Gaurav Kumar\OneDrive\Desktop\class\" && g++ daySques4.cpp -o daySques4 && "c:\Users\Gaurav Kumar\OneDrive\Desktop\class\"daySques4

The pair closest to zero sum is: (-80, 85)

c:\Users\Gaurav Kumar\OneDrive\Desktop\class>

C:\Users\Gaurav Kumar\OneDrive\Desktop\class>
```

Merge k Sorted Lists.

```
int main() {
    ListNode* list1 = new ListNode(1);
    list1->next = new ListNode(4);
    list1->next = new ListNode(5);

    ListNode* list2 = new ListNode(1);
    list2->next = new ListNode(3);
    list2->next = new ListNode(4);

    ListNode* list3 = new ListNode(4);

    ListNode* list3 = new ListNode(2);
    list3->next = new ListNode(6);

    vector<ListNode*> lists = {list1, list2, list3};

    ListNode* result = mergekLists(lists);

    cout << "Merged list: ";
    printList(result);

    return 0;
}</pre>
```

median of two sorted arrays.

```
PROBLEMS OUTPUT DEBUGONOSE TERMINAL PORTS SEARCHERROR SPELCHECKER

Active code page: 65001

C:\USers\Gaurav Kumar\OneDrive\Desktop\class>d "c:\Users\Gaurav Kumar\OneDrive\Desktop\class\" && g++ day5ques6.cpp -o day5ques6 && "c:\Users\Gaurav Kumar\OneDrive\Desktop\class\"day5ques6

Enter the number of elements in the first array: 2

Enter the elements of the first sorted array: 1 2

Enter the elements of the first sorted array: 1

Enter the elements of the second sorted array: 1

Reddian: 2

c:\Users\Gaurav Kumar\OneDrive\Desktop\class>

C:\Users\Gaurav Kumar\OneDrive\Desktop\class>

C:\Users\Gaurav Kumar\OneDrive\Desktop\class>
```

searching a number