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main.c | Share | Run

```c
}
char* firstPalindromicString(char words[][20], int size) {
    for (int i = 0; i < size; i++) {
        if (isPalindrome(words[i])) {
            return words[i];
        }
    }
    return "";
}
int main() {
    char words[5][20] = {"abc", "car", "ada", "racecar", "cool"};
    int size = 5;

    char* result = firstPalindromicString(words, size);
if (strlen(result) != 0) {
        printf("First palindromic string: %s\n", result);
    } else {
        printf("No palindromic string found.\n");
    }
return 0;
}
```

Output | Clear

```
/tmp/TfD6AD2WE4.o
First palindromic string: ada


=== Code Execution Successful ===
```

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main.cpp | Share | Run | Output | Clear

```
    for (int j = 0; j < n; j++) {
        if (nums2[i] == nums1[j]) {
            answer2++;
            break;
        }
    }
}
result[0] = answer1;
result[1] = answer2;
}
int main() {
    int nums1[] = {4,2, 3, 2,1};
    int nums2[] = {1,3,2, 2,5,6};
    int n = sizeof(nums1) / sizeof(nums1[0]);
    int m = sizeof(nums2) / sizeof(nums2[0]);
    int result[2];
    calculateAnswers(nums1, n, nums2, m, result);
    printf("[%d, %d]\n", result[0], result[1]);

    return 0;
}
```

```
/tmp/7osEex7vgW.o
[4, 4]


=== Code Execution Successful ===
```

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main.cpp | Share | Run

```
#include <stdio.h>
#include <string.h>
#define MAX 100001
int sumOfSquaresOfDistinctCounts(int nums[], int n) {
    int result = 0;
    for (int i = 0; i < n; i++) {
        int freq[MAX] = {0};
        int distinct_count = 0;
        for (int j = i; j < n; j++) {
            if (freq[nums[j]] == 0) {
                distinct_count++;
            }

            freq[nums[j]]++;
            result += distinct_count * distinct_count;
        }
    }

    return result;
}
int main() {
    int nums[] = {1, 2, 1};
```

Output | Clear

```
/tmp/N915ElC1CV.o
The sum of the squares of distinct counts of all subarrays is: 15


=== Code Execution Successful ===
```

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main.c

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```c
#include <stdio.h>
int main() {
    int nums[] = {3, 1, 2, 2, 2, 1, 3};
    int k = 2;
    int n = 7;
    int count = 0;

    for (int i = 0; i < n; i++) {
        for (int j = i + 1; j < n; j++) {
            if (nums[i] == nums[j] && (i * j) % k == 0) {
                count++;
            }
        }
    }

    printf("%d\n", count);
    return 0;
}
```

Output | Clear

```
/tmp/gG74gEmJM3.o
1 2 5 5 6 9

=== Code Execution Successful ===
```

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main.c

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```c
#include <stdio.h>

int main() {
    int nums[] = {-10, 2, 3, -4, 5};
    int n = 5;
    int max = nums[0];

    for (int i = 1; i < n; i++) {
        if (nums[i] > max) {
            max = nums[i];
        }
    }

    printf("%d\n", max);
    return 0;
}
```

Output | Clear

```
/tmp/u8EdPvgEWY.o
5


=== Code Execution Successful ===
```

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main.c | Share | Run

```c
#include <stdio.h>

void swap(int *a, int *b) {
    int temp = *a;
    *a = *b;
    *b = temp;
}

int partition(int arr[], int low, int high) {
    int pivot = arr[high];
    int i = low - 1;

    for (int j = low; j < high; j++) {
        if (arr[j] < pivot) {
            i++;
            swap(&arr[i], &arr[j]);
        }
    }
    swap(&arr[i + 1], &arr[high]);
    return i + 1;
}

```

Output | Clear

```
/tmp/PRQfJSEmdK.o
Sorted List: 1 1 3 4 5
Maximum element: 5


=== Code Execution Successful ===
```

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main.c | Share | Run

```c
#include <stdio.h>

int main() {
    int nums[] = {1, 2, 2, 3, 4, 4, 5};
    int n = 7;
    int unique[100];
    int unique_count = 0;
    int is_unique;
    for (int i = 0; i < n; i++) {
        is_unique = 1;
        for (int j = 0; j < unique_count; j++) {
            if (nums[i] == unique[j]) {
                is_unique = 0;
                break;
            }
        }
        if (is_unique) {
            unique[unique_count] = nums[i];
            unique_count++;
        }
    }
    printf("Unique elements: ");
```

Output | Clear

```
/tmp/gcyFoDpVRP.o
Unique elements: 1 2 3 4 5


=== Code Execution Successful ===
```

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main.c

Share | Run

```
10              arr[j+1] = temp;
11          }
12      }
13  }
14  }
15
16  void printArray(int arr[], int size) {
17      for (int i = 0; i < size; i++)
18          printf("%d ", arr[i]);
19      printf("\n");
20  }
21
22  int main() {
23      int arr[] = {64, 34, 25, 12, 22, 11, 90};
24      int n = sizeof(arr)/sizeof(arr[0]);
25      bubbleSort(arr, n);
26      printf("Sorted array: \n");
27      printArray(arr, n);
28      return 0;
29  }
30
```

Output | Clear

```
/tmp/R3EHCA9wdb.o
Sorted array:
11 12 22 25 34 64 90


=== Code Execution Successful ===
```

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main.c | Share | Run

```c
#include <stdio.h>
int binarySearch(int arr[], int size, int x) {
    int left = 0, right = size - 1;
    while (left <= right) {
        int mid = left + (right - left) / 2;

        if (arr[mid] == x) {
            return mid;
        }
        if (arr[mid] < x) {
            left = mid + 1;
        } else {
            right = mid - 1;
        }
    }
    return -1;
}
int main() {
    int arr[] = { -9, 3, 4, 6, 8, 9, 10, 30 };
    int size = sizeof(arr) / sizeof(arr[0]);
    int key1 = 10;
    int key2 = 100;
```

Output | Clear

```
/tmp/HBVlj5wiQ1.o
Element 10 is found at position 6
Element 100 is not found


=== Code Execution Successful ===
```


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main.c | Share | Run

```c
#include <stdio.h>
void merge(int arr[], int left, int mid, int right) {
    int i, j, k;
    int n1 = mid - left + 1;
    int n2 = right - mid;
    int L[n1], R[n2];
    for (i = 0; i < n1; i++)
        L[i] = arr[left + i];
    for (j = 0; j < n2; j++)
        R[j] = arr[mid + 1 + j];
    i = 0;
    j = 0;
    k = left;
    while (i < n1 && j < n2) {
        if (L[i] <= R[j]) {
            arr[k] = L[i];
            i++;
        } else {
            arr[k] = R[j];
            j++;
        }
        k++;
```

Output | Clear

```
/tmp/gG74gEmJM3.o
1 2 5 5 6 9

=== Code Execution Successful ===
```