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C Programming



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Questions 261.	maximum difference	subarray	
Given an array of integers, find the maximum difference between any two elements in the	common elements	more than n/2	
	rearrange	majority element	
	largest sum.	rotate the array	
	rearrange the array	equal number of 0s	
1	smallest missing	maximum product	

Save

Run

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```
int max_diff=array[1]-array[0];
    int i,j;
    for(i=0;i<arr_size;i++);</pre>
 7
 8
       for(j=i+1;j<arr size;j++);</pre>
 9
         if(array[j]-array[i]>max diff)
10
           max diff=array[j]-array[i];
11
12
13
14
    return max diff;
15 }
16 int main()
17 {
    int array[]={10,15,90,200,110};
    printf("maximum difference is %d", max diff(array, 5));
20
    getchar();
21
    return 0;
22 }
```

maximum difference is 5

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Questions 274.	rearrange the array	equal number of 0s	
Given an array of integers, find the longest subarray with the given sum.	smallest missing	maximum product	
	subarray max product	Sum	
	saddle point	swap the values	
	find the length	reverse a string	
	occurrences	maximum and	

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```
int maxLengtn = υ;
    int startIndex = -1;
    int currentSum = 0;
    for (int i = 0; i < n; i++)
7
 8
9
       currentSum = 0;
10
      for (int j = 1; j < n; j++)
11
12
         currentSum += arr[j];
13
         if (currentSum == targestSum && (j-i+1) > maxLength)
14
15
           maxLength = j-i+1;
           startIndex = i;
16
17
18
19
20
    if (startIndex != -1)
21
22
      printf ("Longest subarray with sum %d is from index %d to %c
23
24
    else
25
      print ("No subarray found with sum %d\n", targetSum);
26
27
28 }
29 int main()
30 {
31
   int arr[] = \{1,-2,3,4,-1,0,6\};
32
    int n = sizeof(arr) / sizeof(arr[0]);
```

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Run

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C Programming



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Questions 264.	maximum difference	subarray	
Given an array of integers, find the element that appears more than n/2 times (where n	common elements	more than n/2	U
	rearrange	majority element	
	largest sum.	rotate the array	
	rearrange the array	equal number of 0s	
4	smallest missing	maximum product	•

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C Programming - IDE



C Programming



```
int count=1;
      for(int i=1; i<n; i++); {
         if(arr[i]==majorityElement) {
 6
           count++;
         } else {
9
           count--;
10
11
         if(count==0) {
12
           majorityElement=arr[i];
13
           count=1;
14
15
16
      count=0;
17
      for(int i=0; i<n; i++) {
                                                                    Your OUTPUT go's here!
18
        if(arr[i]==majorityElement) {
19
          count++;
20
21
22
    if(count>n/2) {
23
    return majorityElement;
24
   } else {
25
   return -1;
26
27 }
28 int main() {
   int arr[]={3,3,4,2,4,4,2,4,4};
    int n=sizeof(arr)/sizeof(arr[0]);
    int majorityElement=findMajorityElement(arr,n);
31
32
    if(majorityElement !=-1) {
       anist/"Maianity alamant is 9/d\n" maianity[lamant)
```

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