```
- a >
              1 #include <bits/stdc++.h>
2 using namespace std;
                3
4   struct Node {
5    int key;
6   struct Node* next;
7   };
                                                                                        Resultant Merge Linked List Is :
2 3 5 10 15 20 40
               7 t };
8
9 □ Node* newNode(int key){
Node* temp = new Node;
temp->key = key;
temp->next = NULL;
return temp;
14
               18
19
20
21
22
23
24
25 □
26
27
28 -
29 □
                      Node* b = newNode(2);
b->next = newNode(3);
b->next->next = newNode(20);
vectorcintov;
while(a!=NULL);
v.push_back(a->key);
a=a->next;
}
                      }
while(b!=NULL){
- Warnings: 0 - Output Filename: C:\Users\PRAMESH PREMKUMAR\Desktop\Day 6 program 1.exe - Output Size: 3.04411220550537 MiB - Compilation Time: 1.73s
☐ Shorten compiler pat
Line: 47 Col: 2 Sel: 0 Lines: 47 Length: 1006 Insert Done parsing in 0.016 seconds
2.
- o x
 g (globals)
Project Clas • Day 6 program 1.cpp
               1 #include <bits/stdc++.h>
2 using namespace std;
                                                                                    ■ C:\Users\PRANESH PREMKUMAR\Desktop\Day 6 program 1.exe
                                                                                      1 2 3 4 5 6 7 8 9 10 11
                3
4 // A Linked List node
5 = struct Node {
   int data;
   Node* next;
8
};
                // Traverse form second list to last
for (int i = 1; i <= last; i++) {
   while (true) {</pre>
Abort Compilation - Output Filename: C:\Users\PRANESH PREMKUMAR\Desktop\Day 6 program 1.exe
- Output Size: 3.01901340484619 MiB
- Compilation Fines 1.45s
☐ Shorten compiler pat
Line: 117 Col: 2 Sel: 0 Lines: 117 Length: 2945 Insert Done parsing in 0 seconds
```

```
| Total Prison Management | Total Compared | Total Compar
```

4.

```
First Occurrence = 8
Last Occurrence = 9
.s)
                soj.cpp
                                                                                                                                                                                                                                                                                                                             Process exited after 0.1758 seconds with return value 0 Press any key to continue . . . \mid
                 1 #include <bits/stdc++.h>
                                           using namespace std;
                                  // Function for finding first and last occurrence
                 int first = -1, last = -1;
for (int i = 0; i < n; i++) {
    if (x != arr[i])
        continue;
    if (first == -1)
        first = i;
}</pre>
                  8 T
                10
11
12
13
14
15
16
17
18
19
20
21
                                                                    last = i;
                                                 rces 📶 Compile Log 🥒 Debua 🗖 Find Results 🕮 Close
6.
  | File Edit Search View Project Second Tools AStyle Window Help
| Gill |
                                                                 Day 6 program 1.cpp × |
1 #include <stdio.h>
  int red = 0, white = 0, blue = 0;
int red = 0, white = 0, blue = 0;

for (int i = 0; i < numsSize; i++) {
    if (nums[i] == 0) red++;
    else if (nums[i] == 1) white++;
    else blue++;

10     }

11

12     for (int i = 0; i < red; i++) {
        nums[i] = 0;

14     }

15

16     for (int i = red; i < red + white; i++) {
        nums[i] = 0;
        nums[i] = 0;
        red;
        red;

                                                                                                                                                                                                                                                                                                                                                              ■ Select C:\Users\PRANESH PREMKUMAR\Desktop\Day 6 program 1.exe
Sorted Colors: 0 0 1 1 2 2
                                                                                                                                                                                                                                                                                                                                                                          ocess exited after 0.03873 seconds with return value 0
                                                                                                 for (int i = red + white; i < numsSize; i++) {
   nums[i] = 2;</pre>
                                                                  20  for 21  }
                                                                23 - y

24 int main() [

26 int nums[] = {2, 0, 2, 1, 1, 0};

27 int numsSize = 6;

28 sortColors(nums, numsSize);
 Compiler(1) Resources Compile Log Debug Find Results Close

Abort Campidos

Abort Campidos

Abort Campidos

Output Filename: C:\Usera\PRANKSH PREMKUMAR\Desktop\Day & program 1.exe
Output Size: 323.1689453125 KiB

- Compilation Time: 0.228
  ☐ Shorten compiler pat
Line: 37 Col: 2 Sel: 0 Lines: 37 Length: 759 Insert Done parsing in 0 seconds
```

```
Complet () Resources Section () Properties () Section (
```

```
- o ×

    (globals)

Project Clas    Day 6 program 1.cpp ×
                                               1 #include <stdio.h>
2 #include <stdlib.h>
                                                                                                                                                                                                                                                                                   ■ C:\Users\PRANESH PREMKUMAR\Desktop\Day 6 program 1.exe
                                                                                                                                                                                                                                                                                                                                                                                                                                                       3
4□ struct TreeNode {
5    int val;
6    struct TreeNode *left;
7    struct TreeNode *right;
                                                                                                                                                                                                                                                                                        ocess exited after 0.03184 seconds with return value 0
                                                 5 6 7 8 };
                                               10 □ struct TreeNode* sortedArrayToBST(int* nums, int numsSize) {
11 | if (numsSize == 0) return NULL;
                                              int mid = numsSize / 2;
                                                                struct TreeNode* root = (struct TreeNode*)malloc(sizeof(struct TreeNode));
root->val = nums[mid];
                                                                  root->left = sortedArrayToBST(nums, mid);
root->right = sortedArrayToBST(nums + mid + 1, numsSize - mid - 1);
                                               23
24 void printTree(struct TreeNode* root) {
25
26
27
28 printf("%d ", root->val);
28 printTree(root->left);
29 printTree(root->right);
        ⑤ Compiler (1) ☐ Resources ⓑ Compile Log ☐ Debug ⓒ Find Results ♠ Console ☑ Close
       - Warnings: 0 - Output Finance: C:\Users\PRANESH PREMKUMAR\Desktop\Day 6 program 1.exe
- Output Size: 323.21484375 KiB
- Compilation Time: 0.22s
       ☐ Shorten compiler pat
     Line: 42 Col: 2 Sel: 0 Lines: 42 Length:
                                                                                                                                                                     961 Insert Done parsing in 0.016 seconds
     10.
       1 #include <stdio.h>
                                                                                                                                                                                                                               C:\Users\mural\OneDrive\Des
         Sorted array: 5 6 11 12 13
                                                                                                                                                                                                                         Process exited after 1.875 seconds with return value 0 Press any key to continue . . . \mid
| arrive | a
                                         while (j >= 0 && arr[j] > key) {
    arr[j + 1] = arr[j];
    j = j - 1;
```

11.

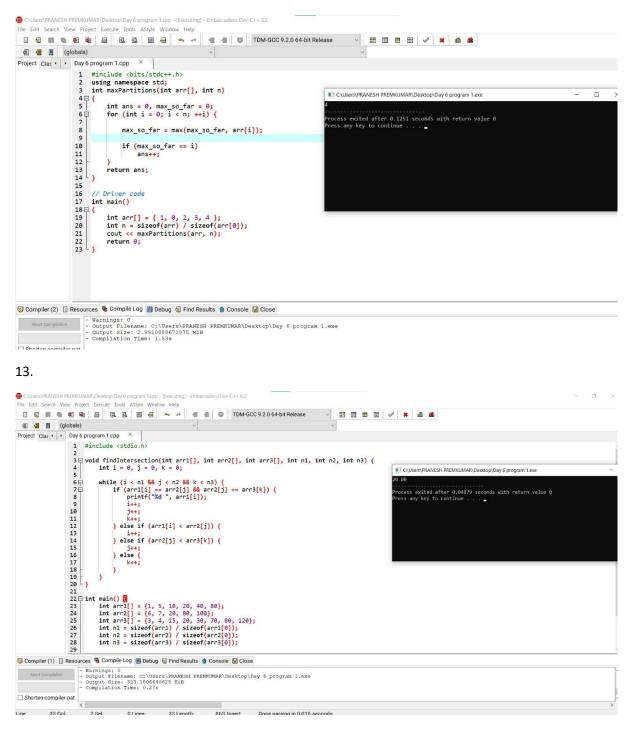
30 31

printf("Sorted array: \n");
for (int i = 0; i < n; i++) {
 printf("%d ", arr[i]);
}</pre>

printf("\n"); return 0;

```
1st.cpp
                                                                                                           © C:\Users\mural\OneDrive\Des × + v
#define MAX CHAR 256
                                                                                                           aggimmnoprr
                                                                                                          Process exited after 6.5 seconds with return value 0 Press any key to continue . . . \mid
          for (int i = 0; i < MAX_CHAR; i++) {
    for (int j = 0; j < freq[i]; j++) {
        printf("%c", i);
    }</pre>
```

Line: 33 Col:



33 Length: 863 Insert Done parsing in 0.015 seconds