

File Edit Selection View Go Run Terminal Help

#include <stdio.h> • Untitled 3 - Visual Studio Code

```
1 #include <stdio.h>
2 int main ()
3 {
4     int n = 0, i = 0, largest1 = 0, largest2 = 0, temp = 0;
5     printf ("Enter the size of the array\n");
6     scanf ("%d", &n);
7     int array[n];
8     printf ("Enter the elements\n");
9     for (i = 0; i < n; i++)
10     {
11         scanf ("%d", &array[i]);
12     }
13     printf ("The array elements are : \n");
14     for (i = 0; i < n; i++)
15     {
16         printf ("%d\t", array[i]);
17     }
18     printf ("\n");
19     largest1 = array[0];
20     largest2 = array[1];
21     if (largest1 < largest2)
22     {
23         temp = largest1;
24         largest1 = largest2;
25         largest2 = temp;
26     }
27     for (int i = 2; i < n; i++)
28     {
29         if (array[i] > largest1)
30         {
31             largest2 = largest1;
32             largest1 = array[i];
33         }
34         else if (array[i] > largest2 && array[i] != largest1)
35         {
36             largest2 = array[i];
37         }
38     }
39     printf ("The FIRST LARGEST = %d\n", largest1);
40     printf ("The SECOND LARGEST = %d\n", largest2);
41     return 0;
42 }
```

Output

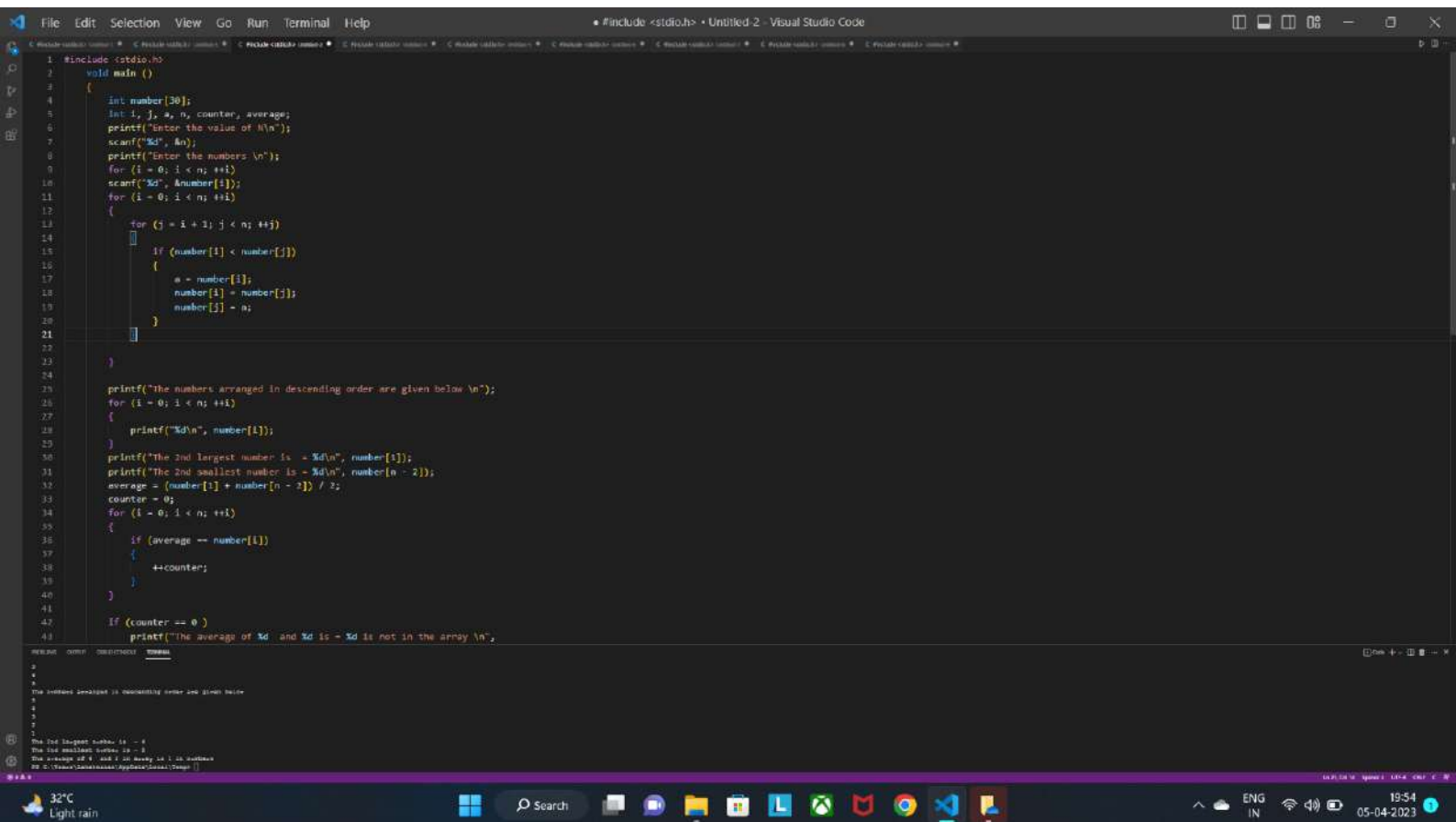
```
Enter the size of the array
4
Enter the elements
1 4 5 8
The array elements are :
1 4 5 8
The FIRST LARGEST = 8
The SECOND LARGEST = 5
```

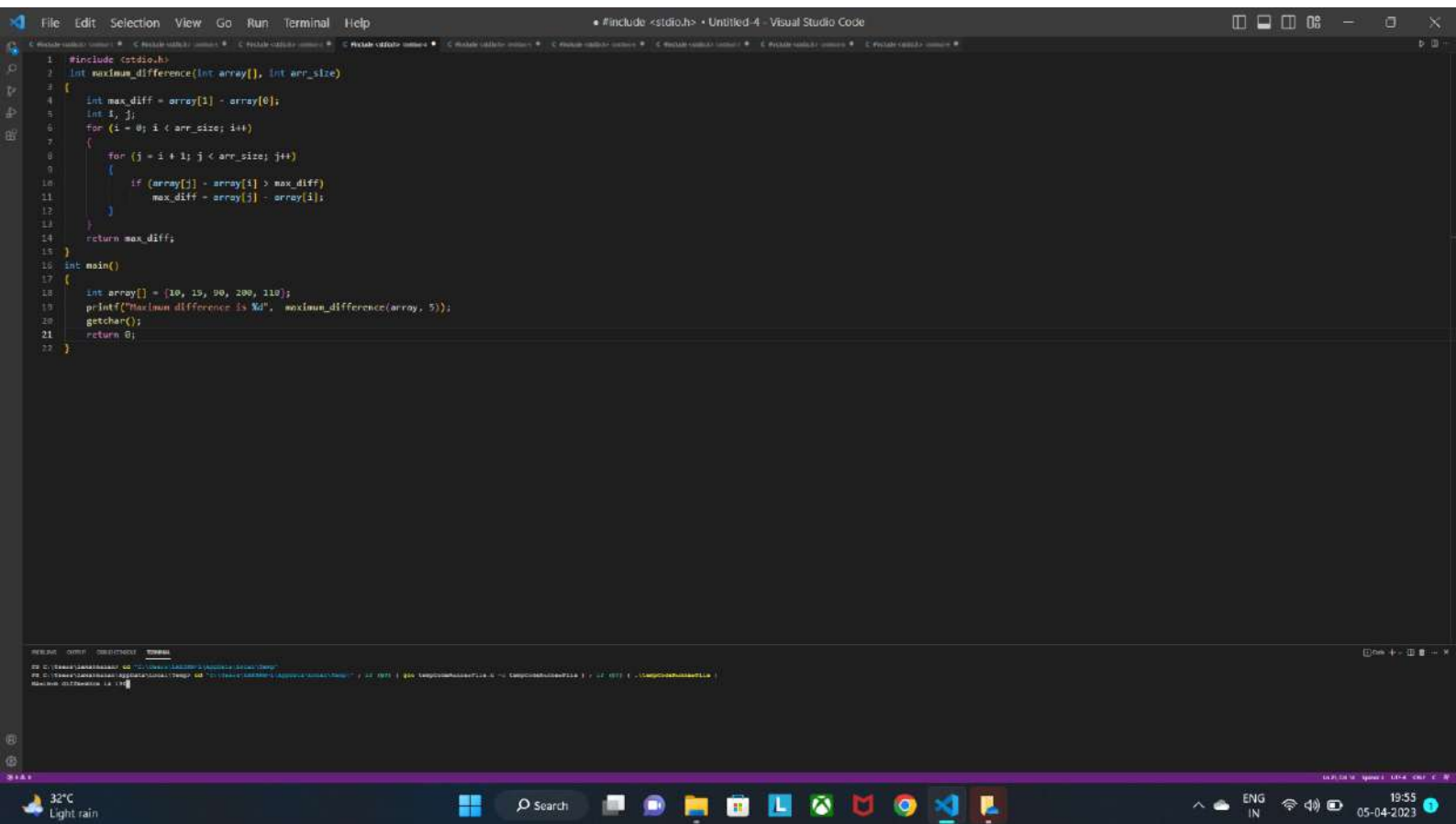
32°C Light rain

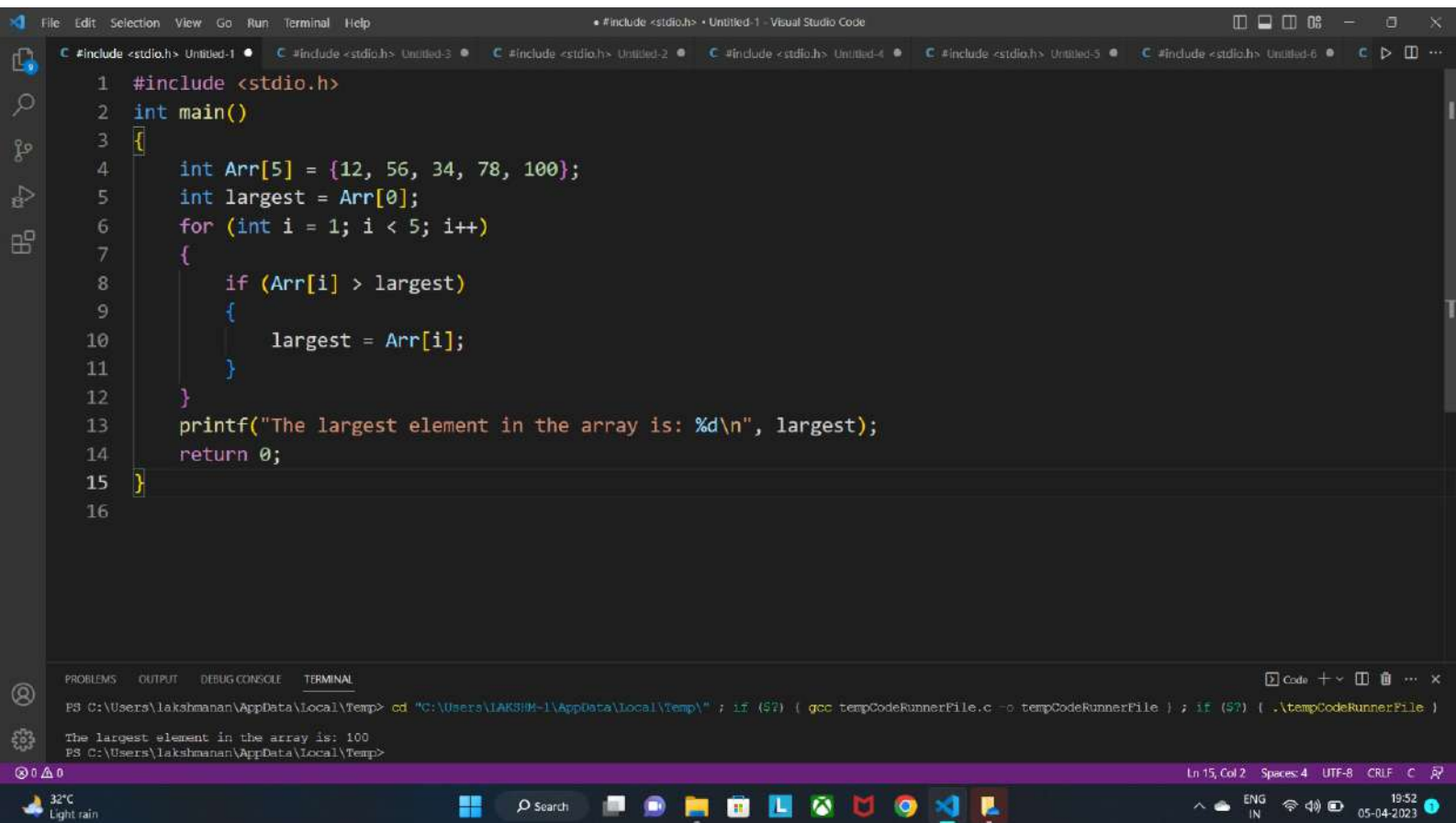
Search

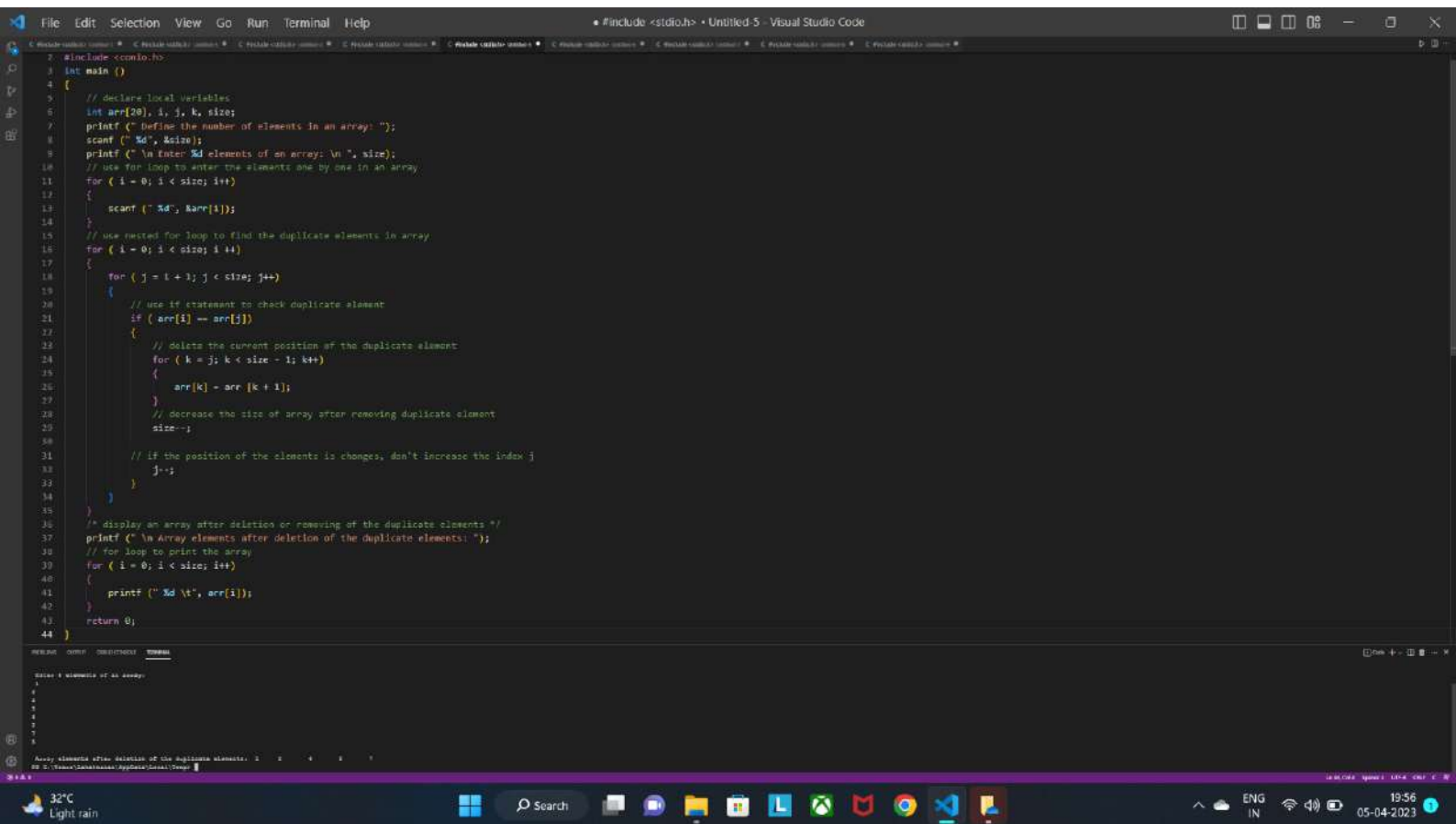
ENG IN

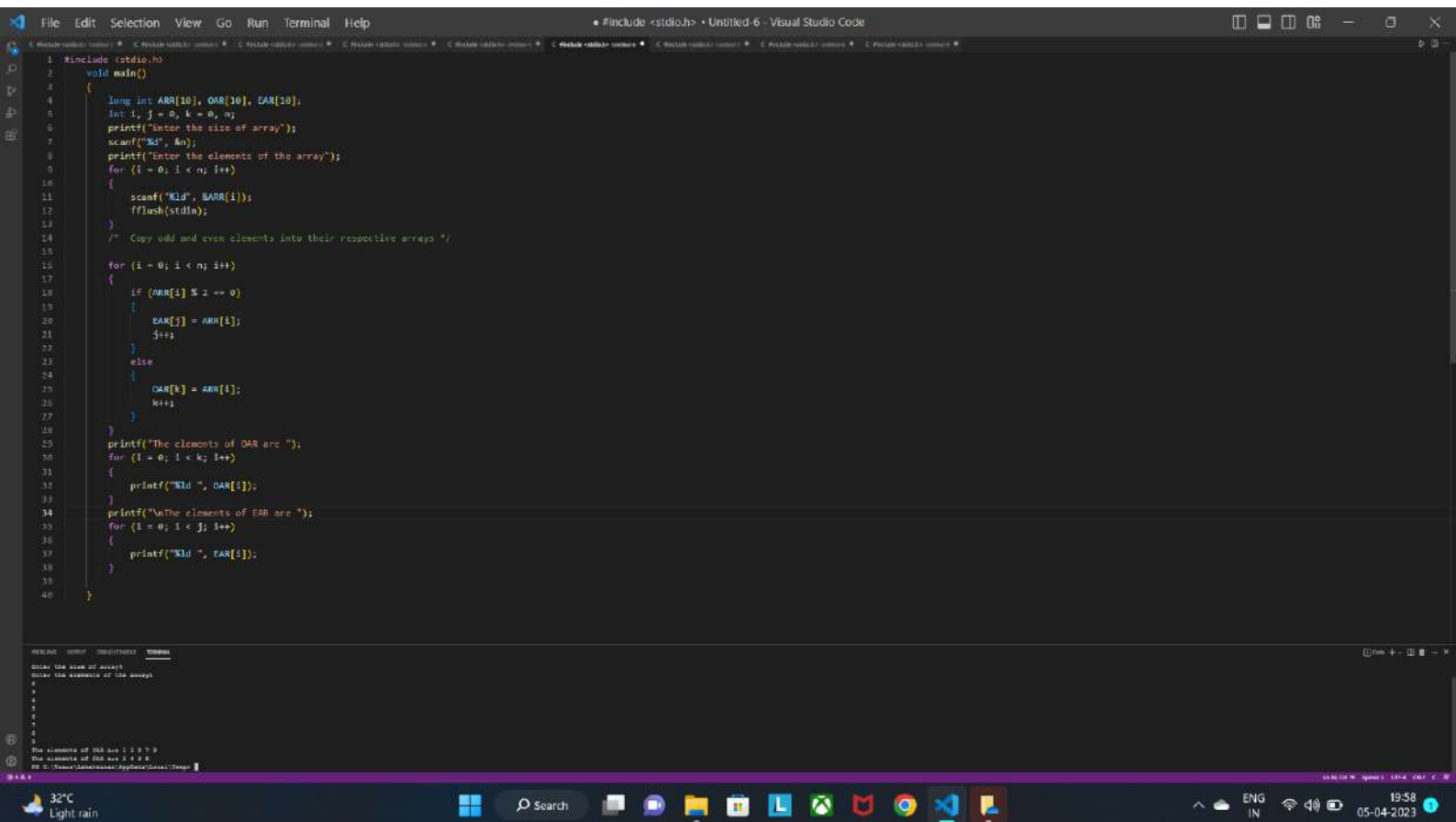
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```
File Edit Selection View Go Run Terminal Help
#include <stdio.h>
void main()
{
    int arr1[100], fr[100];
    int n, i, j, ctr;

    printf("\n\nCount frequency of each element of an array:\n");
    printf("-----\n");

    printf("Input the number of elements to be stored in the array :");
    scanf("%d",&n);

    printf("Input %d elements in the array :\n",n);
    for(i=0;i<n;i++)
    {
        printf("element - %d : ",i);
        scanf("%d",&arr1[i]);
        fr[i] = -1;
    }

    for(i=0; i<n; i++)
    {
        ctr = 1;
        for(j=i+1; j<n; j++)
        {
            if(arr1[i]==arr1[j])
            {
                ctr++;
                fr[j] = 0;
            }
        }
        if(fr[i]!=0)
        {
            fr[i] = ctr;
        }
    }

    printf("\nThe frequency of all elements of array : \n");
    for(i=0; i<n; i++)
    {
        if(fr[i]!=0)
    }
}
```

Count frequency of each element of an array:

Input the number of elements to be stored in the array :

element - 0 : 0
element - 1 : 0
element - 2 : 0
element - 3 : 0
element - 4 : 0
element - 5 : 0
element - 6 : 0

The frequency of all elements of array :

0 element 0 times
0 element 0 times
0 element 0 times
0 element 0 times

```
File Edit Selection View Go Run Terminal Help
#include <stdio.h>
void main ()
{
    int number[30];
    int i, j, a, n;
    printf("Enter the value of N\n");
    scanf("%d", &n);
    printf("Enter the numbers \n");
    for (i = 0; i < n; ++i)
        scanf("%d", &number[i]);

    /* sorting begins ... */
    for (i = 0; i < n; ++i)
    {
        for (j = i + 1; j < n; ++j)
        {
            if (number[i] < number[j])
            {
                a = number[i];
                number[i] = number[j];
                number[j] = a;
            }
        }
    }

    printf("The numbers arranged in descending order are given below\n");
    for (i = 0; i < n; ++i)
    {
        printf("%d\n", number[i]);
    }
}
```

```
P2 C:\Users\lakshmanan> cd "C:\Users\lakshmanan\AppData\Local\Temp"
P2 C:\Users\lakshmanan\AppData\Local\Temp> cd "C:\Users\lakshmanan\AppData\Local\Temp" ; if ($?) { gcc tempCodeRunnerFile.c -o tempCodeRunnerFile ; if ($?) { .\tempCodeRunnerFile }
Enter the value of N
5
Enter the numbers
100
100
100
99
99
The numbers arranged in descending order are given below
100
100
100
99
99
P2 C:\Users\lakshmanan\AppData\Local\Temp>
```

32°C
Light rain

Search

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IN

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05-04-2023

