

```

#include <iostream>
using namespace std;

void ezelSortDesc(int array[], int size)
{
    bool swapped;
    for (int i=0;i<size-1;++i)
    {
        swapped=false;
        for(int j=0; j<size-i-1; ++j)
        {
            if(array[j]<array[j+1])
            {
                int temp=array[j];
                array[j]=array[j + 1];
                array[j + 1]=temp;
                swapped=true;
            }
        }
        if(!swapped)break;
    }
}

int main()
{
    int array_1[10], array_2[10], array_fnl[20] = {};

    cout<<"Input Elements For Array One\n";
    for(int i= 0;i<10;++i)
    {
        cout<<"arrOne["<< i <<"]": ";
        cin>>array_1[i];
    }
    cout<<"Input Elements For Array Two\n";
    for(int i = 0; i < 10; ++i)
    {
        cout<<"array_2["<<i<<"]": ";
        cin>>array_2[i];
    }
    cout<<"Combined Array\n";
    for(int i = 0; i < 20; ++i)
    {
        int tarrayInd=i % 10;

```

```

        array_fnl[i] = i <= 9 ? array_1[tarrayInd] : array_2[tarrayInd];
        cout<<"array_fnl["<<i<<" ]: "<<array_fnl[i]<<"\n";
    }

    ezTelSortDesc(array_fnl, 20);

    cout<<"Sorted Array in Descending Order\n";
    for(int i=0;i<20;++i)
    {
        cout <<"array_fnl["<<i<<"]: "<<array_fnl[i]<<"\n";
    }

    return 0;
}

```

The screenshot shows a C++ IDE with a source code editor on the left and a console output window on the right. The source code implements a bubble sort algorithm in descending order. It takes two arrays of 10 elements each, sorts them, and then prints the sorted arrays and a combined array of 20 elements. The console output shows the input elements for both arrays, the sorted arrays, and the combined array.

```

1 #include <iostream>
2 using namespace std;
3
4 void ezTelSortDesc(int array[], int size)
5 {
6     bool swapped;
7     for (int i=0; i<size-1; ++i)
8     {
9         swapped=false;
10        for(int j=0; j<size-1-i; ++j)
11        {
12            if(array[j]<array[j+1])
13            {
14                int temp=array[j];
15                array[j]=array[j+1];
16                array[j+1]=temp;
17                swapped=true;
18            }
19        }
20        if(!swapped)break;
21    }
22 }
23
24 int main()
25 {
26     int array_1[10], array_2[10], array_fnl[20] = {};
27
28     cout<<"Input Elements For Array One\n";
29     for(int i= 0;i<10;++i)
30     {
31         cout<<"arrOne["<<i<<": ";
32         cin>>array_1[i];
33     }
34     cout<<"Input Elements For Array Two\n";
35     for(int i = 0; i < 10; ++i)
36     {
37         cout<<"array_2["<<i<<": ";
38         cin>>array_2[i];
39     }
40     cout<<"Combined Array\n";
41     for(int i = 0; i < 20; ++i)
42     {
43         int tarrayInd=i % 10;
44         array_fnl[i] = i <= 9 ? array_1[tarrayInd] : array_2[tarrayInd];
45     }
46     ezTelSortDesc(array_fnl, 20);
47
48     cout<<"Sorted Array in Descending Order\n";
49     for(int i=0;i<20;++i)
50     {
51         cout <<"array_fnl["<<i<<"]: "<<array_fnl[i]<<"\n";
52     }
53
54     return 0;
55 }

```

Input Elements For Array One  
arrOne[0]: 23  
arrOne[1]: 43  
arrOne[2]: 65  
arrOne[3]: 23  
arrOne[4]: 45  
arrOne[5]: 76  
arrOne[6]: 34  
arrOne[7]: 23  
arrOne[8]: 78  
arrOne[9]: 45

Input Elements For Array Two  
array\_2[0]: 23  
array\_2[1]: 56  
array\_2[2]: 78  
array\_2[3]: 989  
array\_2[4]: 345  
array\_2[5]: 23  
array\_2[6]: 12  
array\_2[7]: 12  
array\_2[8]: 43  
array\_2[9]: 63

Combined Array  
array\_fnl[0]: 23  
array\_fnl[1]: 43  
array\_fnl[2]: 65  
array\_fnl[3]: 23  
array\_fnl[4]: 45  
array\_fnl[5]: 76  
array\_fnl[6]: 34  
array\_fnl[7]: 23  
array\_fnl[8]: 78  
array\_fnl[9]: 45  
array\_fnl[10]: 23  
array\_fnl[11]: 56  
array\_fnl[12]: 78  
array\_fnl[13]: 989  
array\_fnl[14]: 345  
array\_fnl[15]: 23  
array\_fnl[16]: 12

```
D:\EzTel\71\Documents\2nd year CS\first sem\oop\prog\modules 1 to 2\projects\New folder\Baroja_Ezekiel_C2B_Basics-And-Fundamentals.cpp - [E
File Edit Search View Project Execute Tools ASStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
Baroja_Ezekiel_C2B_Basics-And-Fundamentals.cpp
1 #include <iostream>
2 using namespace std;
3
4 void ezTelSortDesc(int array[], int size)
5 {
6     bool swapped;
7     for (int i=0; i<size-1; ++i)
8     {
9         swapped=false;
10        for(int j=0; j<size-1-i; ++j)
11        {
12            if(array[j]>array[j+1])
13            {
14                int temp=array[j];
15                array[j]=array[j+1];
16                array[j+1]=temp;
17                swapped=true;
18            }
19            if(!swapped)break;
20        }
21    }
22 }
23
24 int main()
25 {
26     int array_1[10], array_2[10], array_fnl[20] = {};
27
28     cout<<"Input Elements For Array One\n";
29     for(int i= 0; i<10; ++i)
30     {
31         cout<<"arrOne["<< i <<": ";
32         cin>>array_1[i];
33     }
34     cout<<"Input Elements For Array Two\n";
35     for(int i = 0; i < 10; ++i)
36     {
37         cout<<"array_2["<<i<<": ";
38         cin>>array_2[i];
39     }
40     cout<<"Combined Array\n";
41     for(int i = 0; i < 20; ++i)
42     {
43         int tarrayInd=i % 10;
44
45         array_fnl[i] = i <= 9 ? array_1[tarrayInd] : array_2[tarrayInd];
46     }
47 }
array_fnl[5]: 76
array_fnl[6]: 34
array_fnl[7]: 23
array_fnl[8]: 78
array_fnl[9]: 45
array_fnl[10]: 23
array_fnl[11]: 56
array_fnl[12]: 78
array_fnl[13]: 989
array_fnl[14]: 345
array_fnl[15]: 23
array_fnl[16]: 12
array_fnl[17]: 12
array_fnl[18]: 43
array_fnl[19]: 63
Sorted Array in Descending Order
array_fnl[0]: 989
array_fnl[1]: 345
array_fnl[2]: 78
array_fnl[3]: 78
array_fnl[4]: 76
array_fnl[5]: 65
array_fnl[6]: 63
array_fnl[7]: 56
array_fnl[8]: 45
array_fnl[9]: 45
array_fnl[10]: 43
array_fnl[11]: 43
array_fnl[12]: 34
array_fnl[13]: 23
array_fnl[14]: 23
array_fnl[15]: 23
array_fnl[16]: 23
array_fnl[17]: 23
array_fnl[18]: 12
array_fnl[19]: 12
Process exited after 39.65 seconds with return value 0
Press any key to continue . . .
```