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Online C++ Compiler IDE

<https://www.jdoodle.com/online-compiler-c++/>

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```
1 #include<iostream>
2 using namespace std;
3 int findSmallest (int[],int);
4 int main ()
5 {
6     int myarray[10] = {11,5,2,20,42,53,23,34,101,22};
7     int pos,temp,pass=0;
8     cout<<"\n Input list of elements to be Sorted\n";
9     for(int i=0;i<10;i++)
10    {
11        cout<<myarray[i]<<"\t";
12    }
13    for(int i=0;i<10;i++)
14    {
15        pos = findSmallest (myarray,i);
16        temp = myarray[i];
17        myarray[i]=myarray[pos];
18        myarray[pos] = temp;
19        pass++;
20    }
21    cout<<"\n Sorted list of elements is\n";
22    for(int i=0;i<10;i++)
23    {
24        cout<<myarray[i]<<"\t";
25    }
26    cout<<"\nNumber of passes required to sort the array: "<<pass;
27    return 0;
28 }
29 int findSmallest(int myarray[],int i)
30 {
31     int ele_small,position,j;
32     ele_small = myarray[i];
33     position = i;
34     for(j=i+1;j<10;j++)
35     {
36         if(myarray[j]<ele_small)
37         {
38             ele_small = myarray[j];
39             position=j;
40         }
41     }
42     return position;
43 }
44
```



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Input

Output



JDroid

```
Input list of elements to be Sorted
11 5 2 20 42 53 23 34 101 22
Sorted list of elements is
2 5 11 20 22 23 34 42 53 101
Number of passes required to sort the array: 10
```

CPU Time: **0.00 sec(s)** | Memory: **3584 kilobyte(s)** |Compiled and & executed in **1.381 sec(s)**

Generated Files

No files generated

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