

OnlineGDB

beta

online compiler and debugger for c/c++

Welcome, **Kailash Ramesh**

Problem-9.c

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Language C

main.c

```
1  #include <stdio.h>
2  /* function to sort an array with insertion sort */
3  void insert(int a[], int n)
4  {
5      int i, j, temp;
6      for (i = 1; i < n; i++)
7      {
8          temp = a[i];
9          j = i - 1;
10         /* Move the elements greater than temp to one position ahead from their
11         current position*/
12         while(j>=0 && temp <= a[j])
13         {
14             a[j+1] = a[j];
15             j = j-1;
16         }
17         a[j+1] = temp;
18     }
19 }
20 void printArr(int a[], int n) /* function to print the array */
21 {
22     int i;
23     for (i = 0; i < n; i++)
24         printf("%d ", a[i]);
25 }
26 int main()
```

input

Before sorting array elements are -
12 31 25 8 32 17
After sorting array elements are -
8 12 17 25 31 32

...Program finished with exit code 0
Press ENTER to exit console.