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1: //Checking if Array is Sorted
2:
3: #include<stdio.h>
4: #include<stdlib.h>
5:
6: struct Array
7: {
8:     int A[10];
9:     int size;
10:    int length;
11: };
12:
13: void Display(struct Array arr)
14: {
15:     int i;
16:     printf("Elements are\n");
17:     for(i=0;i<arr.length;i++)
18:         printf("%d ",arr.A[i]);
19: }
20:
21: int isSorted(struct Array arr)
22: {
23:     int i;
24:     for(i=0;i<arr.length-1;i++)
25:     {
26:         if(arr.A[i]>arr.A[i+1])
27:             return 0;
28:     }
29:     return 1;
30: }
31:
32: int main()
33: {
34:     struct Array arr1={{2,3,9,16,18,21,28,32,35},10,9};
35:     printf("%d\n",isSorted(arr1));
36:     if(isSorted(arr1)==1){
37:         printf("The array is sorted\n");
38:     }else{
39:         printf("The array is unsorted\n");
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40: }  
41: Display(arr1);  
42: return 0;  
43: }
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