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Batch-A1

Program:

```c
#include <stdio.h>

int main() {
    int n,min;
    printf("Enter the size of  the array: ");
    scanf("%d",&n);
    int arr[n];
    printf("\nEnter the elements of  the array: ");
    for(int i=0;i<n;i++){
        scanf("%d",&arr[i]);
    }
    printf("\nArray before sorting: ");
    for(int i=0;i<n;i++){
        printf("%d ",arr[i]);
    }
    for(int i=0;i<n-1;i++){
        min = i;
        for(int j=i+1;j<n;j++){
            if(arr[j]<arr[min]){
                min=j;
            }
        }
        if(min!=i){
            int temp = arr[i];
            arr[i] = arr[min];
            arr[min] = temp;
        }
    }
    printf("\nArray after sorting: ");
    for(int i=0;i<n;i++){
        printf("%d ",arr[i]);
    }
    return 0;
}
```

Output:

Enter the size of the array: 5

Enter the elements of the array: 7 4 3 6 5

Array before sorting: 7 4 3 6 5
Array after sorting: 3 4 5 6 7