SELECTION SORT

```c
    /*****    Program to Sort an Array using Selection Sort    *****/

#include <stdio.h>

void selection_sort();
int a[50], n;

main()
{
     int i;

     printf("\nEnter size of an array: ");
     scanf("%d", &n);

     printf("\nEnter elements of an array:\n");
     for(i=0; i<n; i++)
         scanf("%d", &a[i]);

     selection_sort();

     printf("\n\nAfter sorting:\n");
     for(i=0; i<n; i++)
         printf("\n%d", a[i]);

     getch();
}

void selection_sort()
{
     int i, j, min, temp;

     for (i=0; i<n; i++)
     {
         min = i;
         for (j=i+1; j<n; j++)
         {
             if (a[j] < a[min])
                 min = j;
         }
         temp = a[i];
         a[i] = a[min];
         a[min] = temp;
     }
}
```