

selectionsort

```
#include<stdio.h>
void selection(int a[],int n)
{
int i,j,position,temp;
for(i=0;i<n-1;i++)
{
position=i;
for(j=i+1;j<n;j++)
{
if(a[position]>a[j])
position=j;
}
if(position!=i)
{
temp=a[i];
a[i]=a[position];
a[position]=temp;
}
}
}
void main()
{
int i,n,a[10];
printf("\nHow many values:");
scanf("%d",&n);
printf("Enter Actual Values:\n");
for(i=0;i<n;i++)
{
scanf("%d",&a[i]);
}
selection(a,n);
printf("\nThe Sorted Elements Are:\n");
for(i=0;i<n;i++)
{
printf("%d\t",a[i]);
}
}
```

/* output->

How Many values : 4
Enter Actual Values : 12

64
82
75

The Sorted Element Are :

12 64 75 82

*/