```c
#include<stdio.h>

int main()
{
	int a[]={12,11,13,5,6};
	int n=sizeof(a)/sizeof(a[0]);
	int i,j,key;
	printf("\nArray before Sort:\n");
	for(i=0;i<n;i++)
	{
		printf("%d \t",a[i]);
	}

	for(i=1;i<n;i++)
	{
	  key=a[i];
	  j=i-1;

	  while(j>=0 && a[j]>key)
	  {
		a[j+1]=a[j];
		j--;
	  }
	  a[j+1]=key;
	}
	printf("\nArray after Sort:\n");
	for(i=0;i<n;i++)
	{
		printf("%d \t",a[i]);
	}

}
```