```java
package insertationsort;



public class Insertationsort {


// A funcation to sort array using insertation sort.
   void sort(int arr[]){
      int n=arr.length;
      for(int i=1;i<n;i++){
      int key=arr[i];
      int j=i-1;
      while(j>=0 && arr[j]>key){
         arr[j+1]=arr[j];
         j=j-1;
      }
      arr[j+1]=key;
      }
   }
   static void printArray(int arr[])
   {
      int n=arr.length;
      for(int i=0;i<n;i++)
         System.out.println(arr[i]+" ");
      System.out.println();
   }
   // Driver method


   public static void main(String[] args)
```

```
    {
        int arr[]={12,11,13,5,6};

        Insertationsort obj=new Insertationsort();

        obj.sort(arr);

        printArray(arr);
    }


}
```