**public** **class** InsertionSort {

**private** **static** **int**[] *myArray* = {9,7,2,4,1,5,3};

**private** **static** **int** *temp*,*min*;

**public** **int**[] insertionSort(**int**[] myArray)

{

**int** ele,temp;

**for**(**int** j=1;j<myArray.length;j++)

{

**for**(**int** i=0;i<j;i++)

{

ele=myArray[i];

**if**(myArray[j]<ele)

{

temp=myArray[j];

myArray[j]=ele;

myArray[i]=temp;

}

}

System.***out***.print("The array after Iteration "+j+" is : ");

**for**(**int** i=0;i<myArray.length;i++)

System.***out***.print(myArray[i]+" ");

System.***out***.println();

}

**return** myArray;

}

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

// **TODO** Auto-generated method stub

System.***out***.print("The Array Before Sorting is : ");

**for**(**int** i=0;i<*myArray*.length;i++)

System.***out***.print(*myArray*[i]+ " ");

System.***out***.println("\n");

InsertionSort insert = **new** InsertionSort();

*myArray*= insert.insertionSort(*myArray*);

System.***out***.println();

System.***out***.print("The Array After applying Insertion Sort is : ");

**for**(**int** i=0;i<*myArray*.length;i++)

System.***out***.print(*myArray*[i]+ " ");

}

}