**Second smallest using array (iterative)**

**package** com.exercise.eclipse.ide.first;

**import** java.util.Scanner;

**public** **class** MyCode

{

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

{

Scanner sc=**new** Scanner(System.***in***);

System.***out***.println("Enter size of array:");

**int** n=sc.nextInt();

**int** array[]=**new** **int**[n];

System.***out***.println("Enter elements of array:");

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

{

array[i]=sc.nextInt();

}

System.***out***.println("Second smallest: "+*second*(array,n));

}

**private** **static** **int** second(**int**[] a, **int** total)

{

**int** t=0;

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

{

**for**(**int** j=i+1;j<total;j++)

{

**if**(a[i]>a[j])

{

a[i]=t;

a[i]=a[j];

a[j]=t;

}

}

}

**return** a[1];

}

}