```java
/**
  A PROGRAM TO IMPLEMENT INSERTION SORT (ASCENDING ORDER).
 */
//SUCHIT TE XII A
import java.util.*;
public class insertionSort
{
    public static void main()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("A PROGRAM TO SORT DIGITS IN ASCENDING ORDE
R.");
        System.out.println("ENTER NUMBER OF DIGITS TO BE SORTED");
        int n = sc.nextInt();
        int arr[]=new int[n];
        for(int i=1 ; i<=n ; i++)
        {
            if(i==1)
            {
                System.out.println("ENTER "+i+"st DIGIT");
                arr[i-1]=sc.nextInt();
            }
            else if(i==2)
            {
                System.out.println("ENTER "+i+"nd DIGIT");
                arr[i-1]=sc.nextInt();
            }
            else if(i==3)
            {
                System.out.println("ENTER "+i+"rd DIGIT");
                arr[i-1]=sc.nextInt();
            }
            else
            {
                System.out.println("ENTER "+i+"th DIGIT");
                arr[i-1]=sc.nextInt();
            }
        }
        int temp = 0;
        int k = 0;
        for(int j=1 ; j<arr.length ; j++)
        {
            temp = arr[j];
            k=j-1;
            while(k>=0 && temp<arr[k])
            {
                arr[k+1] = arr[k];
                k--;
            }
            arr[k+1] = temp;
        }
        System.out.println("THE SORTED ARRAY IS : ");
        for(int j=0 ; j<arr.length ; j++)
```

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54          {
55              System.out.print(arr[j]+" ");
56          }
57      }
58  }
59
```