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\* Sort an array and insert an element inside it.

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**import** java.util.Scanner;

**public** **class** InsertArray {

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

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

**int** arrayLen;

System.***out***.print("Please enter the length of input array: ");

arrayLen=input.nextInt();

**int**[] numArray= **new** **int**[arrayLen+1];

System.***out***.println("Please enter the array input: ");

**for** (**int** y=0;y<=arrayLen-1;y++)

{

numArray[y]=input.nextInt();

}

System.***out***.print("Given input Array: ");

**for** (**int** y=0;y<=arrayLen-1;y++)

{

System.***out***.print(numArray[y]+" ");

}

System.***out***.print("\nPlease enter position to insert element:" );

**int** insertLocation=input.nextInt();

System.***out***.print("Please enter element to insert: ");

**int** val=input.nextInt();

**for** (**int** i=arrayLen-1;i>=insertLocation-1;i--)

{

numArray[i+1]=numArray[i];

}

numArray[insertLocation-1]=val;

System.***out***.print("Given input Array after insertion: ");

**for** (**int** y=0;y<=numArray.length-1;y++)

{

System.***out***.print(numArray[y]+" ");

}

}

}

Output:

