**Find minimum and maximum element in an array**

Given an array**A** of size **N** of integers. Your task is to find the **minimum and maximum**elements in the array.

**Example 1:**

**Input:**

N = 6

A[] = {3, 2, 1, 56, 10000, 167}

**Output:**

min = 1, max = 10000

**Example 2:**

**Input:**

N = 5

A[] = {1, 345, 234, 21, 56789}

**Output:**

min = 1, max = 56789

**Your Task:**  
You don't need to read input or print anything. Your task is to complete the function **getMinMax()** which takes the array **A[]** and its size **N**as inputs and returns the **minimum and maximum** element of the array.

**Expected Time Complexity:** O(N)  
**Expected Auxiliary Space:** O(1)

SOLUTION :

import java.util.\*;

import java.lang.\*;

import java.io.\*;

//User function Template for Java

class pair

{

long first, second;

public pair(long first, long second)

{

this.first = first;

this.second = second;

}

}

class MaxMinArray{

public static void main(String[] args) throws IOException

{

long[] a = {3, 2, -1, 56, 10000, 167};

int n = a.length;

Compute obj = new Compute();

pair product = obj.getMinMax(a, n);

System.out.println(product.first+" "+product.second);

}

}

class Compute

{

static pair getMinMax(long a[], long n)

{

long min = Integer.MAX\_VALUE;

long max = Integer.MIN\_VALUE;

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

{

if(a[i] < min)

{

min = a[i];

}

if(a[i] > max)

{

max = a[i];

}

}

pair ans = new pair(min, max);

return ans;

}

}