Arrays 5questions

Ques - 1

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Find first non-repeating element in a given Array of integers

Given an array of integers of size N, the task is to find the first non-repeating element in this array.

Examples:

Input: {-1, 2, -1, 3, 0}

Output: 2

Explanation: The first number that does not repeat is : 2

Input: {9, 4, 9, 6, 7, 4}

Output: 6

**import** java.util.Scanner;

**public** **class** MyProgram

{

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

**static** **void** findNonrep(**int** [] ar)

{

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

{

**int** c=0;

**int** el=ar[i];

**for**(**int** j=0;j<ar.length;j++)

{

**if**(el==ar[j]&i!=j)c++;

}

**if**(c==0)

{

System.***out***.println("The first number that does not repeat is :"+el);

**return**;

}

}

System.***out***.println("In an array there is no unique element .");

}

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

{

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

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

System.***out***.print("Enter "+size+" elements in an array :");

**int** [] arr=**new** **int** [size];

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

{

arr[i]=*sc*.nextInt();

}

*findNonrep*(arr);

}

}