Post Lab Week-2

1. Given an array of integers nums containing n + 1 integers where each integer is in the range [1, n] inclusive.

There is only **one repeated number** in nums, return *this repeated number*.

You must solve the problem **without** modifying the array nums and uses only constant extra space.

Ans :

import java.util.\*;

class Solution {

    public int findDuplicate(int[] nums) {

        HashSet<Integer> hash = new HashSet<>();

        for(int i = 0;i<nums.length;i++){

            if(hash.contains(nums[i])){

               return nums[i];

            }else{

                hash.add(nums[i]);

            }

        }

        return 0;

    }

}

