Lab 5: Stephane Durette, Graeme Judge, Rushi

VoteOn.h

#pragma once

/\* VoteOn.h: Interface for Lab 5 - Error Detection and Correction

By Stephane Durette

\*/

//Function Prototypes

int VoteOn(void\*\* Instances, int nInstances, int nSize);

VoteOn.c

#include "VoteOn.h"

/\* VoteOn.h: Implementation for Lab 5 - Error Detection and Correction

By Stephane Durette

\*/

int VoteOn(void\*\* Instances, int nInstances, int nSize) {

//int\* sumArray = (int\*)calloc(nInstances, sizeof(int));

int sum = 0;

int maxIndex = -1;

int maxValue = 0;

for (int i = 0; i < nInstances; i++) {

sum = 0;

for (int j = i + 1; j < nInstances; j++) {

if (memcmp(Instances[i], Instances[j], nSize) == 0) {

sum++;

}

}

if (sum > maxValue) {

maxValue = sum;

maxIndex = i;

}

}

return maxIndex;

}

Output

