Question 1 C#

A Data Programming professor has a class of students. Frustrated with their lack of discipline, he decides to cancel class if fewer than some number of students are present when class starts. Arrival times go from on time (𝑎𝑟𝑟𝑖𝑣𝑎𝑙𝑇𝑖𝑚𝑒 ≤ 0) to arrived late (𝑎𝑟𝑟𝑖𝑣𝑎𝑙𝑇𝑖𝑚𝑒 > 0). Given the arrival time of each student and a threshold number of attendees, determine if the class is canceled.

**Program.cs**

using System;

namespace FrustratedDataProgrammingprofessor

{

class Program

{

public static object readLine { get; private set; }

static void Main(string[] args)

{

Console.WriteLine("Program to check whether the class will be cancelled or not");

Console.WriteLine("Enter no. of test cases");

int test\_cases = Convert.ToInt32(Console.ReadLine());

if (test\_cases < 1 && test\_cases > 10)

{

Console.WriteLine("Test case value should be 1 to 10");

Console.WriteLine("in else");

System.Environment.Exit(1);

}

else

{

for (int i = 0; i < test\_cases; i++)

{

string[] tokens = Console.ReadLine().Split();

int no\_of\_student = int.Parse(tokens[0]);

//Console.WriteLine(no\_of\_student);

int cancellation\_threshold = int.Parse(tokens[1]);

//Console.WriteLine(cancellation\_threshold);

string readLine = Console.ReadLine();

string[] stringArray = readLine.Split(' ');

//Console.WriteLine(stringArray);

int[] a = new int[stringArray.Length];

//Console.WriteLine(a);

for (int j = 0; j < stringArray.Length; j++)

{

a[j] = int.Parse(stringArray[j]);

}

FrustratedDataProgrammingprofessor(cancellation\_threshold, a);

}

}

}

public static void FrustratedDataProgrammingprofessor(int cancellation\_threshold, int[] a)

{

int count = 0;

for (int i = 0; i < a.Length; i++)

{

if (a[i] < 1 || a[i] == 0)

{

count = count + 1;

}

}

if (count >= cancellation\_threshold)

{

Console.WriteLine("No");

}

else

{

Console.WriteLine("Yes");

}

}

}

}

