Session 2.2 Activity 4 Student Scores

Part 1

import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

System.out.println("How many students are there");

int numStudents = input.nextInt();

String topStudent = "";

int topScore = 0;

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

System.out.println("What is the name of the student?");

String studentName = input.next();

System.out.println("What was their score?");

int studentScore = input.nextInt();

if (studentScore > topScore){

topStudent = studentName;

topScore = studentScore;

}

}

System.out.println("The top student is " + topStudent + " with a score of " + topScore);

}

}

Part 2

import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

System.out.println("How many students are there");

int numStudents = input.nextInt();

String secondStudent = "";

String topStudent = "";

int topScore = 0;

int secondScore = 0;

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

System.out.println("What is the name of the student?");

String studentName = input.next();

System.out.println("What was their score?");

int studentScore = input.nextInt();

if (studentScore > topScore){

secondScore = topScore;

secondStudent = topStudent;

topStudent = studentName;

topScore = studentScore;

}

else if (studentScore > secondScore){

secondScore = studentScore;

secondStudent = studentName;

}

}

System.out.println("The top student is " + topStudent + " with a score of " + topScore);

System.out.println("The second highest scoring student is " + secondStudent + " with a score of " + secondScore);

}

}