Pseudo code:

Read the “SupplementaryFile.csv”

Input to create link to “SupplementaryFile.csv”

Initialize counter to 0

While EOF

Splits text by “,” in to first name, surname, score

If the current score greater than the maximum score

SET maximum score to current score

End If

End While

Display Top Pupil and Highest Mark to the console

Send display results to new Output.txt File

import java.io.File;

import java.io.FileNotFoundException;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.Scanner;

public class mark {

public static Scanner in; //declaring in part so that

public static PrintWriter pw; // like wise with print writer

//method to read input from file

//save file in same folder in your workspace as this project

public static void readinput()

{

// try catch to handle file not found exception

try{

File inputFile = new File("SupplementaryFile.csv"); //create a link to read document

in = new Scanner(inputFile);// complete scanner with inputfile

}

catch (IOException e)

{

System.out.println("The file cannot be found" + e );//will provide correctional information

}

findHighest();// calls findHighest method

}

// findHighest method

public static void findHighest()

{

int counter = 0;// local variable to track highest

String fname = "";// first name of winner

String sname = "";// surname of winner

while(in.hasNext()){ // method of reading true or false string

String people = in.nextLine(); // reads in text

String[] parts = people.split(","); // splits text on

if(Integer.parseInt(parts[2])>counter)

{

//swap number if higher and store names

counter = Integer.parseInt(parts[2]);

fname = parts [0];

sname = parts[1];

}

}//end while

readoutput(fname,sname,counter); //send variables to output

}

public static void readoutput(String f, String s, int score)

{

try{

pw = new PrintWriter("Output.txt"); // create a result file

//next line writes to output file

System.out.println("The winner is " + f + " " + s +" and mark is " + score );

pw.println("The winner is " + f + " " + s +" and mark is " + score );

pw.flush();//extra line may be required to complete

}catch(FileNotFoundException e)// to do auto - generated catch block

{

e.printStackTrace();// print errors

}

}

// main method to run program - only calls input method

public static void main(String[] args)

{

// TODO Auto-generated method stub

readinput(); // all other methods are called from inside readinput

}

}