Blas Kojusner

**Code:**

**Student Class:**

package students;

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\* @author Blas Kojusner

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import java.util.ArrayList;

import java.util.Scanner;

import java.io.File;

import java.io.FileNotFoundException;

public class Student {

private String firstName;

private String lastName;

private String address;

private int age;

private int gpa;

private char CGPA;

student () {

firstName = “Blas”;

lastName = “Kojusner”;

address = “Pembroke Pines Florida”;

age = 18;

gpa = 90;

CGPA = ‘A’;

}

void set\_firstName (String firstNameOne) {

firstName = firstNameOne;

}

String get\_firstName () {

return firstName;

}

void set\_lastName (String lastNameOne) {

lastName = lastNameOne;

}

String get\_lastName () {

return lastName;

}

void set\_address (String addressOne) {

address = addressOne;

}

String get\_address () {

return address;

}

void set\_age (int ageOne) {

age = ageOne;

}

int get\_age () {

return age;

}

void set\_gpa (int gpaOne) {

gpa = gpaOne;

}

int get\_gpa () {

return gpa;

}

char calculate\_CGPA () {

if (85 =< gpa && gpa <= 100) {

CGPA = ‘A’;

return CGPA;

}

else if (60 =< gpa && gpa <= 84) {

CGPA = ‘B’;

return CGPA;

}

else {

CGPA = ‘C’;

return CGPA;

}

}

void Display\_info () {

System.out.println (“The student’s name is “ + firstName + “ ” + lastName);

System.out.println (“The address is “ + address);

System.out.println (“The age is “ + age);

System.out.println (“The GPA is “ + gpa);

System.out.println (“The CGPA is “ + CGPA);

System.out.println ();

}

**Main Class**

package students;

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\* @author Blas Kojusner

\*/

import java.util.ArrayList;

import java.util.Scanner;

import java.io.File;

import java.io.FileNotFoundException;

public static void main(String[ ] args) {

try{

File inputFile = new File;

(“C:\Users\Blas K\Desktop\mainInputFile.txt”);

Scanner sc = new;

Scanner( inputFile );

ArrayList <String> list = new ArrayList<String> ();

while (sc.hasNextLine()) {

String fileINputLine = sc.nextLine();

list.add(fileInputLine);

}

for (int i = 0; i < list.size(); i++) {

String[ ] input = list.get(i).split(“-“);

String firstName = input[ 0 ];

String lastName = input[ 1 ];

String address = input[ 2 ];

int age = Integer.parseInt(input[ 3 ].replaceAll (“[\\s+](file:///\\s+)”, “ ”));

int gpa = Integer.parseInt(input[ 4 ].replaceAll (“[\\s+](file:///\\s+)”, “ ”));

Student newStudent = new Student ();

newStudent.set\_firstName(firstName);

newStudent.set\_lastName(lastName);

newStudent.set\_address(address);

newStudent.set\_age(age);

newStudent.set\_gpa(gpa);

newStudent.calculate\_CGPA();

newStudent.Display\_info();

}

}

Catch(FileNotFoundException error) {

System.out.println(“File was not found”);

}

}

}

**Output:**