Programming In Java
Submission For
CSE310 CA3

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Email: prajjwalgeek@gmail.com
Email: https://github.com/prajjwalgeek/Java-Result-Management-System

Code Component

```java
import java.util.*;
import java.io.*;

abstract class result_management
{
    abstract void input();
    abstract void run();
}

class Student extends result_management
{
    File f1=new File("C:\\Users\\Prajjwal Mishra\\Desktop\\new\\Marks1.java.csv");
    String name;
    int reg_no;
    int maths, phy, comp, eng;

    String cont;
    void input()
    {
        do{
        Scanner sc=new Scanner(System.in);
        System.out.print("Name: ");
        name=sc.nextLine();
        System.out.print("Registration Number: ");
        reg_no=sc.nextInt();
        System.out.println("Enter Subject Marks");
        System.out.print("Maths: ");
        maths=sc.nextInt();
        System.out.print("Physics: ");
        phy=sc.nextInt();
        System.out.print("Computer: ");
        comp=sc.nextInt();
        System.out.print("English: ");
        eng=sc.nextInt();

try{
        PrintWriter pw=new PrintWriter(new FileOutputStream(f1,true));
        pw.append("\n"+reg_no+","+name+","+maths+","+phy+","+comp+","+eng);
        pw.close();}
        catch (Exception e) {}


    System.out.println("Press N for main window or Press Y for another input:");

            cont = sc.next();

        }
        while(cont.equalsIgnoreCase("y"));
```

```java
      }
    void run() {

      do{
        BufferedReader br = null;
        String line = "";
        String cvsSplitBy = ",";
        File file = new File("C:\\Users\\Prajjwal Mishra\\Desktop\\new\\Marks1.java.csv");
        Scanner in = null;
        Scanner sc=new Scanner(System.in);
        System.out.print("Enter Registration Number: ");
        String reg=sc.nextLine();

        try {

          br = new BufferedReader(new FileReader(file));
          while ((line = br.readLine()) != null) {
            String[] student = line.split(cvsSplitBy);



            for (int i = 0; i < student.length; i++) {

              if (student[i].equals(reg)) {
                System.out.println("\tReg_no: "+student[0] +"\tName: "+ student[1] +"\tMaths:"
+student[2]+"\tPhysics: "+student[3]+"\tComputer: "+student[4]+"\tEnglish: "+student[5]); //Matching the
string and printing.
              }
            }

          }

        } catch (FileNotFoundException e) {
          e.printStackTrace();
        } catch (IOException e) {
          e.printStackTrace();
        } finally {
          if (br != null) {
            try {
              br.close();
            } catch (IOException e) {
              e.printStackTrace();
            }
          }
        }
        System.out.println("Press N for main window or Press Y for another input:");

          cont = sc.next();

      }
      while(cont.equalsIgnoreCase("y"));
```

```java
    }
}
class find
{
    public static void main(String[] args) {

        do{
        System.out.println("Welcome to Result Management System");
        Student s=new Student();
        System.out.println("\t\t1. Input the result");
        System.out.println("\t\t2. Fetch the result");
        Scanner scan=new Scanner(System.in);
        System.out.print("Enter your choice: ");
        int choice=scan.nextInt();
        switch (choice) {
            case 1:
                s.input();
              break;
            case 2:
                s.run();
            default:
              break;
            }
        }while(true);
    }
}
```

Sample Output

```
Welcome to Result Management System
             1. Input the result
             2. Fetch the result
Enter your choice: 1
Name: Prajjwal Mishra
Registration Number: 11802287
Enter Subject Marks
Maths: 61
Physics: 47
Computer: 55
English: 98
Press N for main window or Press Y for another input:
N
Welcome to Result Management System
             1. Input the result
             2. Fetch the result
Enter your choice: 2
Enter Registration Number: 11802287
       Reg_no: 11802287        Name: Prajjwal Mishra    Maths:61        Physics: 47     Computer: 55    English: 98
Press N for main window or Press Y for another input:
N
Welcome to Result Management System
             1. Input the result
             2. Fetch the result
Enter your choice:
```

References

1. [Reading a CSV file in Java using OpenCV](#)
2. [Read CSV file column by column](#)
3. Java Slides LPU