

Operating System

Submission For
CSE310 CA3



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Submitted To: Md. Ataullah

Submitted By: Prajjwal Mishra

Reg. No: 11802287

Section: K18GX

Roll: B-64

Email: prajjwalgeek@gmail.com

Email: <https://github.com/prajjwalgeek/Java-Result-Management-System>

Code Component

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

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

class Student extends result_management
{
    File fl=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(fl,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"));
```

```

}

void run() {

do{
    BufferedReader br = null;
    String line = "";
    String cvsSplitBy = ",";
    File file = new File("C:\\Users\\Prajwal 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"));

```

```

    }
}
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