

Class Student

```
public class Student {

    private String name;
    private int id;
    private int age;
    private String gender;

    public Student(String name, int id, int age, String gender) {
        this.name = name;
        this.id = id;
        this.age = age;
        this.gender = gender;
    }

    public String getName() {
        return name;
    }

    public int getId() {
        return id;
    }

    public int getAge() {
        return age;
    }

    public String getGender() {
        return gender;
    }

    public void display(){
        System.out.println("Student name: " + name);
        System.out.println("Student id: " + id);
        System.out.println("Student age: " + age);
        System.out.println("Student gender: " + gender);
    }
}
```

Class Section

```
public class Section {
    private Student [] arrStu;
    private int nbStu;

    public Section(int size){
        arrStu = new Student[size];
        nbStu = 0;
    }
    public void addStudent(Student st){
        if(nbStu < arrStu.length) arrStu[nbStu++] = st;
        else System.out.println("Section is full");
    }
    public Student searchMax(){
        Student max = null;
        for(int i = 0; i < nbStu; i++){
            if(max == null || max.getAge() < arrStu[i].getAge())
                max = arrStu[i];
        }
        return max;
    }
    public Student searchMax(String gender){
        Student max = null;
        for(int i = 0; i < nbStu; i++){
            if(arrStu[i].getGender().equalsIgnoreCase(gender))
                if(max == null ||
                    max.getAge() < arrStu[i].getAge())
                    max = arrStu[i];
        }
        return max;
    }
    public int splitStudent(Student [] male, Student female[]){
        int countM = 0, countF = 0;

        for(int i = 0; i < nbStu; i++){
            if(arrStu[i].getGender().equalsIgnoreCase("Male"))
                male[countM++] = arrStu[i];
            else
                female[countF++] = arrStu[i];
        }
        return countM;
    }
}
```