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 boolean addStudent(Student st) {
            if(nbStu == arrStu.length)
                  return false;
            arrStu[nbStu++] = st;
            return true;
      }
      public int searchStu(int id) {
            for(int i = 0; i < nbStu; i++) {</pre>
                  if(arrStu[i].getId() == id)
                         return i;
            return -1;
      }
      public boolean deleteStu(int id) {
            int index = searchStu(id);
            if(index == -1)
                  return false;
            arrStu[index] = arrStu[nbStu-1];
            arrStu[nbStu-1] = null;
            nbStu--;
            return true;
      }
      public void displayAll() {
            for(int i = 0; i < nbStu; i++) {</pre>
                  arrStu[i].display();
            }
      }
      public void display(int index) {
            if(index >= 0 && index < nbStu)</pre>
                  arrStu[index].display();
            System.out.println("Invalid index");
      }
```

```
public void display(String name) {
      for(int i = 0; i < nbStu; i++) {</pre>
            if(arrStu[i].getName().equalsIgnoreCase(name))
                  arrStu[i].display();
      }
}
public void displaySameAs(Student st) {
      for(int i = 0; i < nbStu; i++) {</pre>
      if(arrStu[i].getName().equalsIgnoreCase(st.getName())
      && arrStu[i].getAge() == st.getAge()
      && arrStu[i].getGender().equalsIgnoreCase(st.getGender()))
                  arrStu[i].display();
      }
}
public Student searchFirst(String name) {
      for(int i = 0; i < nbStu; i++) {</pre>
            if(arrStu[i].getName().equalsIgnoreCase(name))
                  return arrStu[i];
      return null;
}
public Student searchLast(String name) {
      for(int i = nbStu-1; i >= 0; i--) {
            if(arrStu[i].getName().equalsIgnoreCase(name))
                  return arrStu[i];
      return null;
}
public Student searchLast2(String name) {
      Student temp = null;
      for(int i = 0; i < nbStu; i++) {</pre>
            if(arrStu[i].getName().equalsIgnoreCase(name))
                  temp = arrStu[i];
      return temp;
}
public Student[] getStudents(int age) {
      int size = 0;
      for(int i = 0; i < nbStu; i++)</pre>
            if(arrStu[i].getAge() < age)</pre>
                  size++;
      Student tempArr[] = new Student[size];
      int count = 0;
```