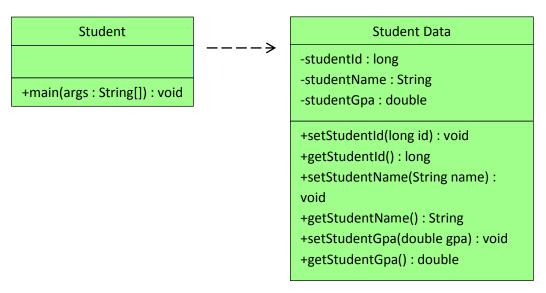
- 1.
- 1.1 จงเขียน UML เพื่อออกแบบนักเรียน โดยมีอย่างน้อย 3 attributes และ 3 method ไม่รวม getter/setter methods
- 1.2 สร้าง Entity Class ที่ได้ออกแบบไว้ในข้อ 1.1 โดยจะ implement ในส่วนที่เป็น method หรือไม่ก็ได้
- 1.3 เขียน Driver Class ทดสอบการสร้าง Object และ getter/setter method ที่สร้างขึ้น

1.1 UML Class Diagrams



1.2 Entity Class

```
D:\Work\BackupWork@Kmutt\Post09\Student.java - Notepad++
\underline{\text{File}} \quad \underline{\text{E}} \text{dit} \quad \underline{\text{S}} \text{earch} \quad \underline{\text{V}} \text{iew} \quad \underline{\text{E}} \underline{\text{n}} \text{coding} \quad \underline{\text{L}} \text{anguage} \quad \text{S} \underline{\text{e}} \underline{\text{tings}} \quad \underline{\text{M}} \text{acro} \quad \underline{\text{R}} \text{un} \quad \underline{\text{P}} \text{lugins} \quad \underline{\text{W}} \text{indow} \quad \underline{\text{?}}
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Student.java 🗵 💾 TestStudent.java 🗵
        □class Student{
              //id attributes
               private long studentId;
               //setter
             public void setStudentId(long id){
                    studentId = id;
   8
               //getter
              public long getStudentId(){
   9
                     return studentId;
  11
  12
  13
               //name attributes
  14
               private String studentName;
  15
                //setter
               public void setStudentName(String name) {
 17
                      studentName = name;
  18
 19
                //getter
 20
                public String getStudentName(){
 21
                     return studentName;
 22
 23
 24
                //GPA attributes
 25
                private double studentGpa;
                //setter
 26
 27
                public void setStudentGpa(double gpa) {
 28
                      studentGpa = gpa;
 29
  30
                //getter
  31
                public double getStudentGpa() {
 32
                     return studentGpa;
  33
  34
```

1.3 Driver Class

```
D:\Work\BackupWork@Kmutt\Post09\TestStudent.java - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
 ] 🔒 🗎 🖺 😘 😘 🔝 🖈 🖍 🖍 🖍 🕩 🕩 🗩 🗷 🗯 🥦 🔍 🔍 🔍 📮 🚍 🗀 🕦 🗜 🐷 🔊 🗩 🖅 🗩 🕟 🗷
🔚 Student java 🗵 블 Test Student java 🗵
       import java.util.Scanner;
      □class TestStudent{
   3
            public static void main(String[] args) {
   4
                 Student std = new Student();
   5
                 Scanner sc = new Scanner(System.in);
   6
                 System.out.print("Enter Your Student ID : ");
   7
                 long getId = sc.nextLong();
   8
                 std.setStudentId(getId);
                 System.out.print("Enter Your Name : ");
   9
                 String getName = sc.next();
 10
 11
                 std.setStudentName(getName);
 12
                 sc.nextLine();
 13
                 System.out.print("Enter Your GPA : ");
 14
                 double getGpa = sc.nextDouble();
 15
                 std.setStudentGpa(getGpa);
 16
                 sc.nextLine();
 17
                 long stdId = std.getStudentId();
 18
                 String stdName = std.getStudentName();
                 double stdGpa = std.getStudentGpa();
 19
                 System.out.println("Your Student is " + stdId);
 20
 21
                 System.out.println("Your Name is " + stdName);
 22
                 System.out.println("Your GPA is " + stdGpa);
 23
  24
java "TestStudent"
.
Process started >>>
Enter Your Student ID: 59130500007
Enter Your Name : Keerati
Enter Your GPA: 3.00
Your Student is 59130500007
Your Name is Keerati
Your GPA is 3.0
<<< Process finished. (Exit code 0)
 Java source file
              length: 792 lines: 24
                                     Ln:24 Col:2 Sel:0|0
                                                                    Dos\Windows
                                                                                UTF-8
                                                                                               INS
```