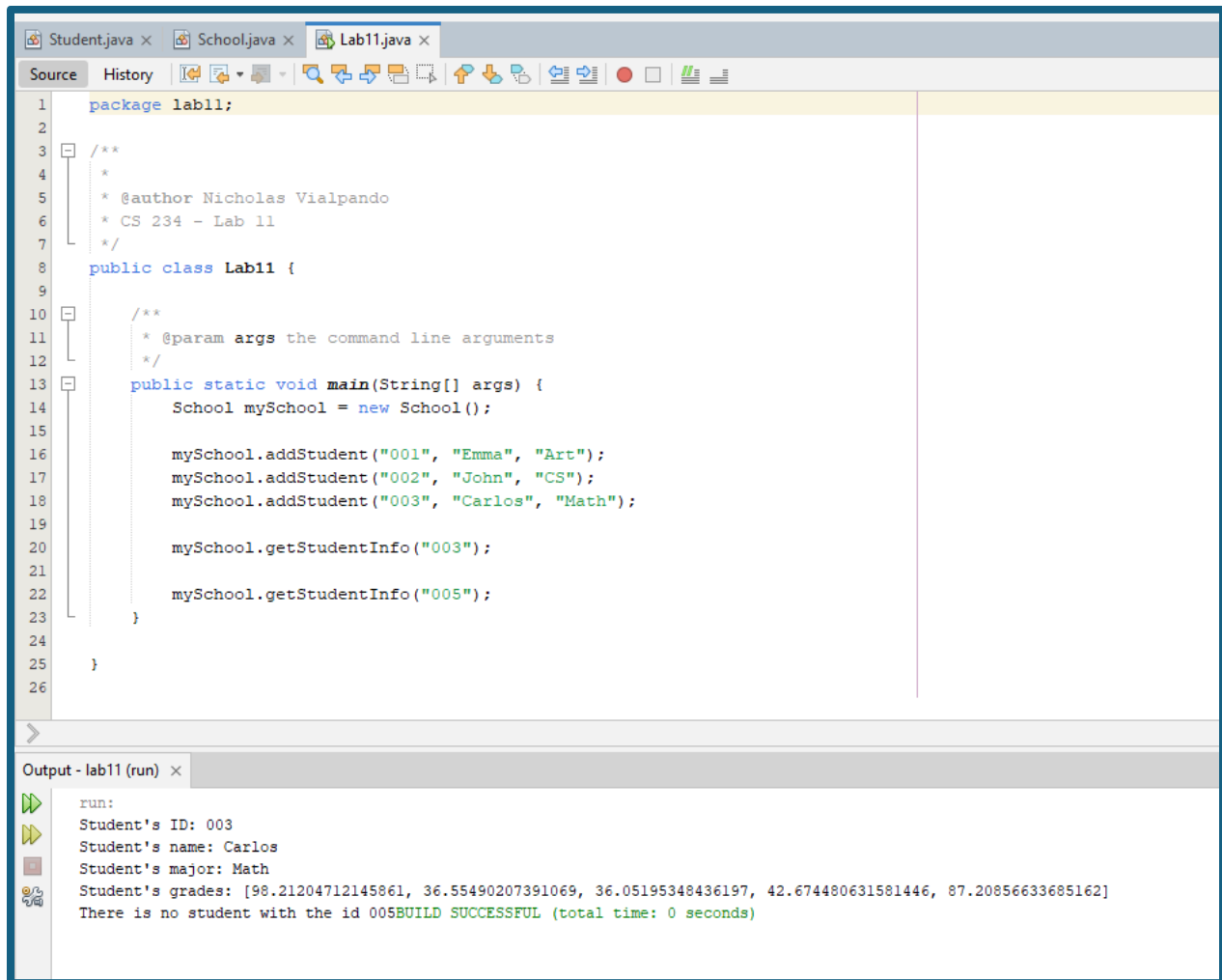


Nicholas Vialpando

CS 234 – Lab 11

1<sup>st</sup> run:



The screenshot shows an IDE with three tabs: Student.java, School.java, and Lab11.java. The Lab11.java tab is active, displaying the following code:

```
1 package lab11;
2
3 /**
4  *
5  * @author Nicholas Vialpando
6  * CS 234 - Lab 11
7  */
8 public class Lab11 {
9
10     /**
11      * @param args the command line arguments
12      */
13     public static void main(String[] args) {
14         School mySchool = new School();
15
16         mySchool.addStudent("001", "Emma", "Art");
17         mySchool.addStudent("002", "John", "CS");
18         mySchool.addStudent("003", "Carlos", "Math");
19
20         mySchool.getStudentInfo("003");
21
22         mySchool.getStudentInfo("005");
23     }
24 }
25
26
```

Below the code editor, the Output window shows the results of running the program:

```
run:
Student's ID: 003
Student's name: Carlos
Student's major: Math
Student's grades: [98.21204712145861, 36.55490207391069, 36.05195348436197, 42.674480631581446, 87.20856633685162]
There is no student with the id 005BUILD SUCCESSFUL (total time: 0 seconds)
```

2<sup>nd</sup> run:

The screenshot shows an IDE with three tabs: Student.java, School.java, and Lab11.java. The Lab11.java tab is active, displaying the following code:

```
1 package lab11;
2
3 /**
4  *
5  * @author Nicholas Vialpando
6  * CS 234 - Lab 11
7  */
8 public class Lab11 {
9
10     /**
11     * @param args the command line arguments
12     */
13     public static void main(String[] args) {
14         School mySchool = new School();
15
16         mySchool.addStudent("001", "Emma", "Art");
17         mySchool.addStudent("002", "John", "CS");
18         mySchool.addStudent("003", "Carlos", "Math");
19
20         mySchool.getStudentInfo("003");
21
22         mySchool.getStudentInfo("005");
23     }
24 }
25
26
```

Below the code editor is the 'Output - lab11 (run)' window, which shows the following output:

```
run:
Student's ID: 003
Student's name: Carlos
Student's major: Math
Student's grades: [60.20178657691332, 71.16033493924992, 47.96429795074789, 61.58142806615915, 55.071607802157196]
There is no student with the id 005BUILD SUCCESSFUL (total time: 0 seconds)
```