Lab 2: Result of running CourseTester.java

Test Files: Course.java, Student.java, Quiz.java

Test case1: Check default Constructor

Course course = new Course();

System.out.println(course); // calls toString() method

|  |  |  |
| --- | --- | --- |
| Returned: | Expected: | Status |
| [] AverageGrade: 0.0 | [] AverageGrade: 0.0 | passed |

**Methods:**

Test case2: test addStudent(), addQuiz(), getAverage(), and call toString() method

course.addStudent(“Titan”, “Wei”);

course.addStudent(“Hung”, “Nguyen”);

course.addStudent(“Pham”, “Tran”);

course.addQuiz(10000001, 15, 5);

course.addQuiz(10000001, 14, 7);

course.addQuiz(10000002, 10, 7);

course.addQuiz(10000002, 8, 8);

course.addQuiz(10000003, 14, 10);

course.addQuiz(10000003, 12, 10);

System.out.println(course.getAverage());

System.out.println(course)

|  |  |  |
| --- | --- | --- |
| Returned: | Expected: | Status |
| 68.02  [[name:Tian, surname:Wei(StudentNumber:10000001, loginId:twei01)], [name:Hung, surname:Nguyen(StudentNumber:10000002, loginId:hnguy02)], [name:Pham, surname:Tran(StudentNumber:10000003, loginId:ptran03)]] AverageGrade: 68.02 | 68.02  [[name:Tian, surname:Wei(StudentNumber:10000001, loginId:twei01)], [name:Hung, surname:Nguyen(StudentNumber:10000002, loginId:hnguy02)], [name:Pham, surname:Tran(StudentNumber:10000003, loginId:ptran03)]] AverageGrade: 68.02 | passed |

Test case3: Test findStudent()

System.out.println(course.findStudent(10000002));

System.out.println(course.findStudent(10000000));

|  |  |  |
| --- | --- | --- |
| Returned: | Expected: | Status |
| [name:Hung, surname:Nguyen(StudentNumber:10000002, loginId:hnguy02)]  null | [name:Hung, surname:Nguyen(StudentNumber:10000002, loginId:hnguy02)]  null | passed |

Test case4: Test findTopStudent()

System.out.println(course.findTopStudent());

|  |  |  |
| --- | --- | --- |
| Returned: | Expected: | Status |
| [name:Hung, surname:Nguyen(StudentNumber:10000002, loginId:hnguy02)] | [name:Hung, surname:Nguyen(StudentNumber:10000002, loginId:hnguy02)] | passed |

Test case5: Test deleteStudent()

System.out.println(course.deleteStudent(10000001));

System.out.println(course.deleteStudent(312314558));

|  |  |  |
| --- | --- | --- |
| Returned: | Expected: | Status |
| [name:Tian, surname:Wei(StudentNumber:10000001, loginId:twei01)]  null | [name:Tian, surname:Wei(StudentNumber:10000001, loginId:twei01)]  null | passed |

Test case6: Test toString() after deleting a student from the course

System.out.println(course.toString());

|  |  |  |
| --- | --- | --- |
| Returned: | Expected: | Status |
| [[name:Hung, surname:Nguyen(StudentNumber:10000002, loginId:hnguy02)], [name:Pham, surname:Tran(StudentNumber:10000003, loginId:ptran03)]] AverageGrade: 81.19 | [[name:Hung, surname:Nguyen(StudentNumber:10000002, loginId:hnguy02)], [name:Pham, surname:Tran(StudentNumber:10000003, loginId:ptran03)]] AverageGrade: 81.19 | passed |

