Lab 1: Result of running StudentTester.java

Test Files: Student.java, Address.java

Test case1: Test Student getName, getStudentNumber, getLoginId, getInfo method

student.setName(firstname,lastname);  
System.*out*.println(student.getName());  
System.*out*.println(student.getStudentNumber());  
System.*out*.println(student.getLoginId(firstname,lastname,studentNo));

GetName method:

|  |  |  |
| --- | --- | --- |
| Returned | Expected | Status |
| Mary, Jones | Mary, Jones | Passed |

getStudentNumber method:

|  |  |  |
| --- | --- | --- |
| Returned | Expected | Status |
| 100000001 | 100000001 | Passed |

getLoginId method:

|  |  |  |
| --- | --- | --- |
| Returned | Expected | Status |
| mjone01 | mjone01 | Passed |

Test case 2: Test getInfo()

getInfo method:

|  |  |  |
| --- | --- | --- |
| Returned | Expected | Status |
| Mary,Jones(mjone01, 1000001) | Mary,Jones(mjone01, 1000001) | Passed |

Test case 3: Test addQuiz() and getAverage()

student.addQuiz(6.0);  
student.addQuiz(8.5);  
student.addQuiz(9.8);  
System.*out*.println(student.getQuizAverage());

|  |  |  |
| --- | --- | --- |
| Returned | Expected | Status |
| 8.1 | 8.1 | Passed |

Test case 4: Check Constructor / Test String toString() (System.out.prinln(student)

I included quiz average and login ID in the String toString method, so I had to put it after all the other methods related to Student class except for address.

System.*out*.println(student);

|  |  |  |
| --- | --- | --- |
| Returned | Expected | Status |
| Student information is : mjone01 and quiz average score is : 8.1 | Student information is : mjone01 and quiz average score is : 8.1 | Passed |

Test case 5: Testing Address class

// testing address class and set/getAddress method from student class  
// reading variables  
System.*out*.println();  
System.*out*.println("We will test address class and address methods from student class now.");  
String aptNumber = "5989";  
String streetName = "Iona Dr";  
String cityName = "Vancouver";  
String provinceName = "BC";  
String postalCodeName = "V6T2Q2";  
  
//testing address class  
Address myAddress = new Address(aptNumber, streetName, cityName, provinceName, postalCodeName);  
System.*out*.println(myAddress);

|  |  |  |
| --- | --- | --- |
| Returned | Expected | Status |
| 5989, Iona Dr, Vancouver, BC, V6T2Q2 | 5989, Iona Dr, Vancouver, BC, V6T2Q2 | Passed |

Test case 6: Testing address method in student class

student.setAddress(myAddress.getNumber(), myAddress.getStreet(), myAddress.getCity(), myAddress.getProvince(),myAddress.getPostalCode());  
String studentAddress = student.getAddress();  
System.*out*.println(studentAddress);

|  |  |  |
| --- | --- | --- |
| Returned | Expected | Status |
| 5989 Iona Dr, Vancouver, BC, V6T2Q2 | 5989 Iona Dr, Vancouver, BC, V6T2Q2 | Passed |