**Project-2: Student Grade (StudentGrade.java)**

**Step-by-Step Algorithm:**

1. **Declearation;**

String firstName;

        String lastName;

        Double testScore1;

        Double testScore2;

        Double testScore3;

Double testScore4;

        Double testScore5;

      Double aveTestScore;

      Double total;

Scanner inFile;

      PrintWriter outFile;

1. **Initialization;**

inFile = new Scanner(new FileReader("file path"));

        outFile = new PrintWriter(""file path");

1. **Prompt user to enter the data;**

firstName = inFile.next();

        lastName = inFile.next();

        testScore1 = inFile.nextDouble();

        testScore2 = inFile.nextDouble();

        testScore3 = inFile.nextDouble();

        testScore4 = inFile.nextDouble();

        testScore5 = inFile.nextDouble();

1. **Processing**

   total = (testScore1+ testScore2 + testScore3 + testScore4+

testScore5);

1. **Outprint the result**

OutFile, printf( firstName);

      outFile.printf(lastName);

        outFile.printf("Test Score: testScore1,  testScore2, testScore3,

testScore4,  testScore5);

        outFile.printf("Average Test Score:  aveTestScore = total / 5);

1. **Close method & Class**

**Variables:**

String firstName;

        String lastName;

        Double testScore1;

        Double testScore2;

        Double testScore3;

        Double testScore4;

        Double testScore5;

        double aveTestScore;

        double total;

Scannerc inFile;

        PrintWriter outFile;

* Formulas:

total = (testScore1+ testScore2 + testScore3 + testScore4+

testScore5);

**Source code:**