```java
package class11;

public class Driver {

    public static void independentStudy(int year, Professor incProf, Student incStu) {
        System.out.println("In " + year + ", " + incProf.toString() +
                " taught " + incStu.toString() + ".");
    } // end independentStudy

    public static void independentStudy(int year, String semester, Professor incProf, Student incStu) {
        System.out.println("In the " + semester + " semester of " + year + ", " + incProf.toString() +
                " taught " + incStu.toString() + ".");
    } // end independentStudy

    public static void printThis(String inc) {
        System.out.println("I printed the word: " + inc);
    } // end printThis

    public static void printThis(int inc) {
        System.out.println("I printed the integer: " + inc);
    } // end printThis

    public static void calculateAvg(int grade1, int grade2, int grade3) {
        double avg = (grade1 + grade2 + grade3) / 3.0;
        System.out.println("The average for this series is: " + avg);
    } // end calculateAvg

    public static void calculateAvg(int grade1, int grade2, int grade3, int grade4) {
        double avg = (grade1 + grade2 + grade3 + grade4) / 4.0;
        System.out.println("The average for this series is: " + avg);
    } // end calculateAvg

    public static void betterCalculateAvg(int...grades) {
        int sum = 0;
        for (int eachOne: grades) {
            sum += eachOne;
        } // end for
        double avg = sum / (double) grades.length;
        System.out.println("The average for this series is: " + avg);
    } // end betterCalculateAvg

    public static void main(String[] args) {
        // example multiple parameter method
        System.out.println("EXAMPLE MULTIPLE PARAMETER METHOD");
        Student stuOne = new Student("Grace","Hopper");
        Professor profOne = new Professor("Jeff","Hill");
        independentStudy(2018, profOne, stuOne);

        // example method overloading
        System.out.println("EXAMPLE METHOD OVERLOADING");
        independentStudy(2018, "fall", profOne, stuOne);
        printThis("Hello");
        printThis(42);

        // example variable length arguments
```

```
56          System.out.println("EXAMPLE VARIABLE LENGTH ARGUMENTS");
57          calculateAvg(50, 75, 100);
58          calculateAvg(60, 70, 80, 90);
59          betterCalculateAvg(50, 75, 100);
60          betterCalculateAvg(60, 70, 80, 90);
61      } // end main
62  } // end Driver
```

Professor.java

```java
package class11;

public class Professor {
    private final String fName;
    private final String lName;

    public Professor(String fName, String lName) {
        this.fName = fName;
        this.lName = lName;
    } // end ctor

    public String toString() {
        return this.fName + " " + this.lName;
    } // end toString
} // end Professor
```

Student.java

```java
package class11;

public class Student implements Comparable<Student> {
    private final String fName;
    private final String lName;

    public Student(String fName, String lName) {
        this.fName = fName;
        this.lName = lName;
    } // end ctor

    public String getfName() {
        return this.fName;
    } // end getfName

    public String getlName() {
        return this.lName;
    } // end getlName

    public String toString() {
        return this.getfName() + " " + this.getlName();
    } // end toString

    @Override
    public int compareTo(Student o) {
        return this.getlName().compareTo(o.getlName());
    } // end compareTo
} // end Student
```