

Unit Two Test Project:

Create a DataSet class. This class has two instance fields, sum and count. This class has a default constructor, which sets both instance fields to zero. It also has a parametric constructor in which sum accepts the first argument passed and count accepts the second. This class has two accessor methods that return the values of sum and count. This class also has a *void addValue(int x)* method which adds x onto sum and increments count by one. Lastly, this class has a *double average()* method which determines and returns the exact quotient of sum divided by count.

Create a driver class for this Java application. In this driver class, construct two object variables of the DataSet class. One uses the default constructor and the other uses the parametric constructor with values (73, 8). The driver class should then read from the console window four integers (45, 32, 66, 4) and using the addValue method of the DataSet class add them to both object variables. Lastly, the driver class, using the average method of the DataSet class, should determine and print the average of the numbers in the object variable created by the default constructor and the average of the numbers in the object variable created by the parametric constructor. Both of these averages should be rounded to the nearest tenth.

The output for this driver class should look like this...

```
Enter Integer #1: 45
Enter Integer #2: 32
Enter Integer #3: 66
Enter Integer #4: 4
```

```
Default Constructor Average    = ??.
```

```
Parametric Constructor Average = ??.
```