# CS172 -- ASSIGNMENT #2

## NAME: DUE: 25 Feb Received: .

**GRADE:**

|  |  |  |
| --- | --- | --- |
| **CATEGORY** | **POINTS** |  |
| EX02\_01 |  | 15 |
| EX02\_02 |  | 20 |
| EX02\_03 |  | 15 |
|  |  |  |
| **TOTAL** |  | 50 |

## Liang Chapters 9

## EXERCISES:

**EX02\_01 –** Liang Programming Exercise 9.2: *the Fan class*

**EX02\_02 –** Liang Programming Exercise 9.6: *Algebra: quadratic equations*

**EX02\_03 –** Liang Programming Exercise 9.11: *the EvenNumber class*

|  |
| --- |
| **Fan** |
| **+speed: int** |
| **+on: bool** |
| **+radius: int** |
|  |
| **+Fan()** |
| **+Fan(int speed, bool on, int radius)** |

|  |
| --- |
| **QuadraticEquation** |
| **+a: double** |
| **+b: double** |
| **+c: double** |
| **+discriminant: double** |
| **+root1: double** |
| **+root2: double** |
|  |
| **+QuadraticEquation(double newA, double newB, double newC)** |
| **+getDiscriminent(): double** |
| **+getRoot1(): double** |
| **+getRoot2(): double** |

|  |
| --- |
| **EvenNumber** |
| **-value: int** |
|  |
| **+EvenNumber()** |
| **+EvenNumber(int i)** |
| **+getValue(): int** |
| **+getNext(): int** |
| **+getPrevious(): int** |