Oberon Ilano

CIS 315 - Advanced Object-Oriented Programming

Assignment: The Octagon Class

Due Date: July 5, 2019

**The Octagon Class**

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| **GeometricObject**  <<abstract>> |
| -color: String = “white”  -filled: boolean  -dataCreated: java.util.Date |
| +GeometricObject()  +GeometricObject(color: String, filled: boolean)  +getColor(): String  +isFilled(): boolean  +setFilled(filled: boolean): void  +getDateCreated(): java.util.Date  +toString(): String  +getArea(): double  +getPerimeter(): double |

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| **Octagon**  <<Class>> |
| -side: double |
| +Octagon(s: double)  +getSide(): double  +getArea(): double  +getPerimeter(): double  +compareTo(o: Octagon): int  +clone(): Object |

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| **Comparable<Octagon>**  <<Interface>> |
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| **Cloneable**  <<Interface>> |
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