+--------------------------------------------------------------+

| GeometricObject |

+--------------------------------------------------------------+

| -color: String |

| -filled: Boolean |

| -dateCreated: Date |

+---------------------------------------------------------------+

| +GeometricObject()|

| +GeometricObject(color: String, filled: boolean)|

| +getColor(): String |

| +setColor(color: String): void |

| +isFilled(): boolean |

| +setFilled(filled: boolean): void |

| +getDateCreated(): Date |

| +toString(): String |

+-----------------------------------------------------------------+

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|

| Inheritance

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+------------------+

| Circle |

+-------------------------------------------+

| -radius: double |

+-------------------------------------------+

| +Circle() |

| +Circle(radius: double) |

| +getRadius(): double |

| +setRadius(radius: double): void |

| +compareTo(otherCircle: Circle): int |

| +equals(obj: Object): boolean |

+-------------------------------------------------+