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

| GeometricObject |

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

| - color: String |

| - filled: boolean |

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

| + GeometricObject() |

| + GeometricObject(String, boolean) |

| + getColor(): String |

| + setColor(String): void |

| + isFilled(): boolean |

| + setFilled(boolean): void |

| + getArea(): double (abstract) |

| + getPerimeter(): double (abstract) |

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

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

| Triangle |

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

| - side1: double |

| - side2: double |

| - side3: double |

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

| + Triangle() |

| + Triangle(double, double, double) |

| + getSide1(): double |

| + getSide2(): double |

| + getSide3(): double |

| + getArea(): double (override) |

| + getPerimeter(): double (override) |

| + toString(): String (override) |

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