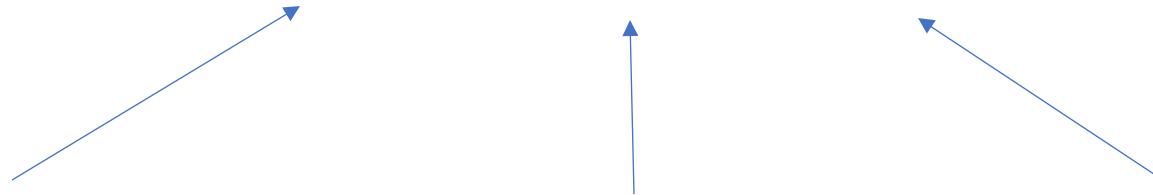## GeometricObject

-ID: int
-x: int
-y: int

+GeometricObject()
+GeometricObject(ID: int, x: int, y: int)
+getID(): double
+getX(): int
+getY(): int
+getArea(): double
+getShape(): String

Circle	Square	Triangle
-radius: double -shape: String	-sideSquare: double -shape: String	-height: double -base: double -shape: String
+Circle() +Circle(ID: int, radius: double, shape: String) +getRadius(): double +getArea(): double +getShape(): String	+Square() +Square(ID: int, sideSquare: double, shape: String) +getSideSquare(): double +getArea(): double +getShape(): String	+Triangle() +Triangle(ID: int, height: double, base: double, shape: String) +getHeight(): double +getBase(): double +getArea(): double +getShape(): String