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| 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 |