Shape

```
#   x: double
#   y: double
```
```
+ area(): double
+ perimeter()   : double
+ moveTo()      : void
+ getParameters(): double[]
+ setParameters(centerNew:double
   lengthNew:double) : void
+ toString()       : String
```

<< Interface >>
ShapeInfo

```
+ area(): double
+ perimeter(): double
+ setParameter(centerNew:double,
   lengthNew:double): void
+ getParameter(): double[]
+ moveTo(): void.
```

Circle

```
- radius: double
- center: double
+ PI     : double
```
```
+ area() : double
+ perimeter() : double
+ moveTo() : void
+ getParameters(): double[]
+ setParameters(centerNew:double:void
   radiusNew:double)
+ toString(): String
```

Triangle

```
- length : double
- center: double
```
```
+ area(): double
+ perimeter()   : double
+ moveTo()      : void
+ getParameters(): double[]
+ setParameters(centerNew:double
   lengthNew:double) : void
+ toString()       : String
```

Square

```
- length : double
- center: double
```
```
+ area() : double
+ perimeter() : double
+ moveTo() : void
+ getParameters(): double[]
+ setParameters(centerNew:double
   lengthNew:double) : void
+ toString()       : String
```

Pentagon

```
- length : double
- center: double
```
```
+ area () : double
+ perimeter () : double
+ moveTo () : void
+ getParameters(): double[]
+ setParameters(centerNew:double,
   lengthNew: double): void
+ toString () : String
```