

Nombre: Yhon Camilo Suard

Profesor:

Fecha:

Materia:

Institución:

Curso:

Nota:

Calcular las áreas de 4 figuras

- Cuadrado
- Rectángulo
- Triángulo
- Circunferencia

(con Polimorfismo)

```
Figure
- name
+ getName(): String
+ setName(): void
+ calculateArea(): double
```

```
Triangle
- base: double
- height: double
- calculateArea: double
+ getBase(): double
+ setBase(base: double): void
+ getHeight(): double
+ setHeight(height: double): void
+ calculateArea(): double
```

Square

```
side: int
+ calculateArea: double
+ getSide(): double
+ setSide(): void
+ calculateArea(): double
```

Circle

```
- radio: double
- R: 3.1416
+ calculateArea: double
+ getRadio(): double
+ setRadio(): void
+ getPi(): double
+ calculateArea(): double
```

Rectangle

```
- base: double
- height: double
+ calculateArea: double
+ getBase(): double
+ setBase(base: double): void
+ getHeight(): double
+ setHeight(height: double): void
+ calculateArea(): double
```



## Sin Polimorfismo

### Figura

- name: String  
+ getName(): String  
+ setName(): void



### Square

- side: double  
- calculateArea: double  
+ getSide(): double  
+ setSide(): void  
+ calculateArea(): double

### Circle

- radius: double  
- Pi: 3.1416  
- calculateArea: double  
+ getRadius(): double  
+ setRadius(): void  
+ getPi(): double  
+ calculateArea(): double

### Triangle

- base: double  
- height: double  
- calculateArea: double  
+ getBase(): double  
+ setBase(base: double): void  
+ getHeight(): double  
+ setHeight(height: double): void  
+ calculateArea(): double

### Rectangle

- base: double  
- height: double  
- calculateArea: double  
+ getBase(): double  
+ setBase(base: double): void  
+ getHeight(): double  
+ setHeight(height: double): void  
+ calculateArea(): double



Calcular el sueldo de una persona

- ①  $\text{Sueldo} = \text{ValorDio} * \text{diasTrabajados}$   
Calcular del sueldo la salud, pensión, arl
- ②  $\text{deducibles} = \text{Salud} + \text{pensión} + \text{ARL}$   
Calcular si la persona gana menos de dos Salario mínimos,  
recibe subsidio de transporte  
Calcular el total a pagar
- ③  $+ \text{otroPagar} = (\text{Sueldo} + \text{subsidioTransporte}) - \text{deducibles}$   
con Polimorfismo

