|  |  |
| --- | --- |
| MyRectangle2D |  |
| -x: | double |
| -y: | double |
| -width: | double |
| -height: | double |
| MyRectangle2D() |  |
| MyRectangle2D(x: double, y:double, width:double, height:double) | |
| getX(): | double |
| getY(): | double |
| getWidth(): | double |
| getHeigt(): | double |
| setX(x: double): | void |
| setY(y: double) : | void |
| setWidth(width:double) : | void |
| setHeight(height:double) : | void |
| getArea(): | double |
| getPerimeter(): | double |
| contains(x: double, y: double) : | boolean |
| contains(r: MyRectangle2D) : | boolean |
| overlaps(r: MyRentangle2D) : | boolean |

|  |
| --- |
| GeometricObject |
| -color: String |
| -filled: boolean |
| -dateCreated: java.util.Date |
| +GeometricObject() |
| +GeometricObject(color: String, filled: boolean) |
| +getColor(): String |
| +setColor(color: String): void |
| +isFilled(): boolean |
| +setFilled(filled: boolean): void |
| +getDateCreated(): java.util.Date |
| +toString(): String |

|  |  |
| --- | --- |
| Triangle |  |
| -side1: | double[ = 1.0 ] |
| -side2: | double[ = 1.0 ] |
| -side3: | double[ = 1.0 ] |
| +Triangle() |  |
| +Triangle(side1:double, side2:double, side3:double)) | |
| +getSide1(): | double |
| +getSide2(): | double |
| +getSide3(): | double |
| +getArea(): | double |
| +getPerimeter(): | double |
| +toString(): | String |

|  |
| --- |
| MyDate |
| -year: int |
| -month :int |
| -day: int |
| MyDate() |
| MyDate(year: int, month: int, day: int) |
| +getYear(): int |
| +getMonth(): int |
| +getDay(): int |

|  |
| --- |
| Organization |
| -name: String |
| -address: String |
| -telephone: String |
| -email: String |
| Organization() |
| +getName(): String |
| +getAddress():String |
| +getTelephone(): String |
| +getEmail(): String |
| +setName(): void |
| +setAddress():void |
| +setTelephone(): void |
| +setEmail(): void |
| +toString(): String |

|  |
| --- |
| Company |
| -scale: String |
| Company() |
| +getScale(): String |
| +setScale(): void |
| +toString(): String |

|  |
| --- |
| University |
| -population: int |
| -dateCeated: MyDate |
| University() |
| +getPopulation():int |
| +getDateCreated(): MyDate |
| +setPopulation(): void |
| +toString(): String |

|  |
| --- |
| School |
| -researchField: String |
| School() |
| +getResearchField(): String |
| +setResearchField(): void |
| +toString(): String |

|  |
| --- |
| Office |
| -seviceField: String |
| Office() |
| +getServiceField(): String |
| +setServiceField(): void |
| +toString(): String |