

Notas importantes:

FigureGeometric

- name(): String;

Class Abstract

+ FigureGeometric();

+ getName(): String;

+ calculateArea(): double;

Square

- side: int;

- calculate: double;

+ Square();

+ getSide(): double;

+ calculateArea(): double;

Rectangle

- base: int;

- height: int;

- calculate: double;

+ Rectangle();

+ getBase(): int;

+ getHeight(): int;

+ calculateArea(): double;

Triangle

- base: int;

- height: int;

- calculate: double;

+ Triangle();

+ getBase(): int;

+ getHeight(): int;

+ calculateArea(): double;

circle

- radius(): double;

- pi(): double;

- calculate(): double;
+ Circle();

+ getRadius(): double;

+ getPi(): double;

+ calculateArea(): double;

ARL

```
- calculateARL(): double;
+ ARL();
+ getCalculateARL(): double;
```

Health

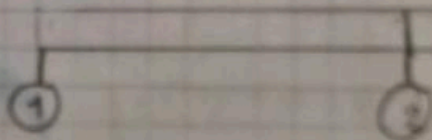
```
- calculateHealth(): double;
+ Health();
+ getCalculateHealth(): double;
```

Pension

```
- calculatePension(): double;
+ Pension();
+ getCalculatePension(): double;
```

Deductible

```
- calculateDeductible():
+ ARL arl;
- Health health;
- Pension pension;
+ Deductible();
+ getCalculateDeductibles double;
```



Notas importantes:

① Coach
- numberClients: int;
- bond: double;
+ Coach();
+ getNumberClients(): int;
+ getBond(): double;
+ getDescription();
+ CalculateDeductible(): double;
+ getNetSalary();

② Supervisor
- numberCoach: int;
- bond: double;
+ Supervisor();
+ getNumberCoach(): int;
+ getBond(): double;
+ CalculateDeductible();
+ getDescription();
+ getNetSalary();

③ Admin
-
+ Admin();
+ CalculateDeductible(): double;
+ getDescription();
+ getNetSalary();

Person
- name: string;
- identification: int;
- ValueOfTheDay: double;
- DefaultDaysWorked: static int;
- daysWorked: int;
- salary: double;
- subTransport: double;
+ Person();
+ getName(): string;
+ getIdentification(): int;
+ getDaysWorked(): int;
+ getValueOfTheDay(): double;
+ getSalary(): double;
+ getSubTransport();
+ getDescription(): string;
+ getNetSalary(): double;

Fecha:



VIDA

VIDA

Ciencias

U

UNIVERSIDAD DE VALPARAISO

④

Ruster

```
- Coach coach;  
- Supervisor supervisor;  
- Admin admin;  
Ruster();  
+ showRuster();  
+ main(): static void;
```

```

Person
+name:string;
- lastname:string
- age:int;
- identification:int;
+Person();
+getName():String;
+getLastName():String;
+getAge():int;
+getIdentification():int;
+getDescription():String;
+getNetSalary():double;
    
```

```

Employee
- salary:double;
- subsidy:double;
- minimumWage:int;
- daysWorked:int;
- normalHours:int;
- daytimeOvertime:int;
- nighttimeOvertime:int;
- holidayOvertime:int;
- Discounts:Discounts;
    
```

Huila

```

+Employee();
+getSubsidy():double;
+getMinimumWage():int;
+getDaysWorked():int;
+getDaytimeOvertime():int;
+getNighttimeOvertime():int;
+getHolidayOvertime():int;
+getDiscounts():Discounts;
+getNetSalary():double;
+getDescription():String;
    
```

```

Discounts
- ARL:double;
- pension:double;
- health:double;
- totalDiscounts:double;
- daytimeOvertime:double;
- nighttimeOvertime:double;
- Extras:double;
- hourlyRate:double;
+Discounts();
+getARL();
+getPension():double;
+getHealth():double;
+getHourlyRate():double;
    
```


Person

- names: String;
- lastnames: String;
- id: int;
+ Person()
+ getNames(): String;
+ getLastNames(): String;
+ getDescription(): String;

Plan

- name: String;
- price: double;
- services: array String;
+ Plan();
+ getName(): String;
+ getPrice(): double;
+ getServices(): array String;

User

- weight: int;
- stature: double;
- plan: Plan;
+ User();
+ getWeight(): int;
+ getStature(): double;
+ getPlan(): Plan;
+ getDescription(): String;

GymSystem

- users: array list
+ GymSystem();
+ addUser(): void;
+ userInfo(): void;

Fujita

Laws

- object: int;

+ Laws();

+ getObject(): int;

+ getExplain(): string;

FirstLaw

- calculate: string;

- name: string;

+ FirstLaw();

+ getName(): string;

+ getFirstLaw(): string;

+ getExplain(): string;

ThirdLaw

- calculate: string;

- name: string;

- massSecondObject: int;

+ ThirdLaw();

+ getName(): string;

+ getMassSecondObject(): int;

+ getThirdLaw(): string;

+ getExplain(): string;

SecondLaw

- calculate: string;

- name: string;

- acceleration: double;

+ SecondLaw();

+ getName(): string;

+ getAcceleration(): int;

+ getSecondLaw(): double;

+ getExplain(): string;

NewtonLawSystem

- laws: array List

+ NewtonLawSystem();

+ addLaw(): void;

+ showLaws(): void;

Notas importantes:

Notas importantes:

Person

- names: String;
- lastNames: String;
- id: int;
- residenceAddress: String;
- phone Number: int;
- rh: String;

+ Person();

+ getNames(): String;

+ get lastNames();

+ getId(): int;

+ getResidenceAddress(): String;

+ getPhone Number(): int;

+ getRh(): String;

+ getDescription(): String;

Student

- description: String;
- plan: Plan;

+ Student();

+ getPlan(): Plan;

+ getDescription(): String;

Plan

- name: String;
- price: double;
- services: String;
- duration: int;
- total price: double;

+ Plan();

+ getName(): String;

+ getDuration(): int;

+ getPrice(): double;

+ getServices(): String;

+ getTotalPrice(): double;

+ showServices(): void;

InstituteSystem

- students: array List;

+ instituteSystem();

+ addStudent(): void;

+ studentInfo(): void;

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