# ArtificialIntelligence - name : String - developer : String - generation : int +getName(): String +setName(name : String) : void +getDeveloper(): String +setDeveloper(developer : String) : void +getGeneration(): int +setGeneration(generation: int): void +toString(): String +equals(other: ArtificialIntelligence): boolean

### Speaker

- hasBluetooth : boolean

- location : String -power : int

- artificialIntelligence : ArtificialIntelligence

+getHasBluetooth(): boolean

+setHasBluetooth(hasBluetooth: boolean): void

+getLocation(): String

+setLocation(location: String): void

+getPower(): int

+setPower(power : int) : void

+getArtificialIntelligence(): ArtifialIntelligence

+setArtificialIntelligence(articialIntelligence: ArtificialIntelligence): void

+setAll(hasBluetooth: boolean, location: String, power: int, artificialIntelligence: ArtificialIntelligence): void

+toString(): String

+equals(other: Speaker): boolean

### **ElectronicDevice**

- type : Type - color : String

- hasAudio : boolean

+getType(): Type

+getColor(): String

+setColor(color: String): void +getHasAudio(): boolean +setHasAudio(): boolean

+setAll(type: Type, color: String, hasAudio: boolean): void

+toString(): String

+setType(type: Type): void

Extends

+equals(other: ElectronicDevice): boolean

## Television

- resolution : String

- isFlatScreen : boolean

- length: int

+ getResolution(): String

+setResoution(resolution: String): void

+getIsFlatScreen(): boolean

+setIsFlatScreen(isFlatScreen: boolean): void

+getLength(): int

+setLength(length:int):void

+setAll(resolution: String, isFlatScreen: boolean, length: int): void

+toString(): String

+equals(other: Television): boolean

### Lights

- isSynchronized : boolean

+getIsSynchronized(): boolean

+setIsSynchronized(isSynchronized: boolean): void

Type

+getPower(): int

+setPower(power:int):void

+getIsLED(): boolean

+setIsLED(isLED: boolean): void

+setAll(isSynchronized: boolean, power: int, isLED: boolean): void

+toString(): String

+equals(other: Lights): boolean

+setAll(model: string, brand: String, yearEdition: int): void

- power : int -isLED: boolean

- model : Strina - brand : String

- vearEdition : int

+ getModel(): String

+getBrand(): String

+getYearEdition(): int

+toString(): String

Extends

Extends

+setModel(model: String): void

+setBrand(brand : String) : void

+equals(other: Type): boolean

+setYearEdition(vearEdition: int): void