

Java Básico

Introdução à

Orientação a Objetos



Java™

Agenda

- Introdução OO

Requisitos

- N/A
- Aula teórica

**Paradigmas
Estruturado**

x

Orientado a Objetos

Vantagens OO

- Reuso de Código
- Reflete o mundo real
- Facilita Manutenção no Código

Conceitos

- Classes
- Objetos
- Herança
- Polimorfismo

Classe

- Descrição de um grupo de objetos



O que é uma classe

- Nome da classe
- Conjunto de atributos (descrição)
- Conjunto de métodos (comportamento)

A CLOSER LOOK AT THE 15 MOST POPULAR DOGS IN THE U.S.

ProbioticSmart.com



		JOINTS	EYE PROBLEMS	DIGESTIVE	SKIN	HEART	OTHER	BREED SPECIFIC
1	Labrador Retriever	Height: 21-28 inches Weight: 50-80 lbs. Temperament: Friendly Activity Level: High Life Span: 10-12 years Intelligence: Very smart	Hip and elbow dysplasia Cataracts	Progressive retinal atrophy Bloat	No issues	Heart disease	Diabetes	Tendency to become overweight
2	German Shepherd	Height: 21-26 inches Weight: 50-88 lbs. Temperament: Friendly and protective Activity Level: High Life Span: 7-10 years Intelligence: Very smart	Hip and elbow dysplasia Cataracts	Cataracts Bloat	No issues	No issues	Epilepsy	Panosteitis (aka Pano)
3	Yorkshire Terrier	Height: 6-7 inches Weight: 5-8 lbs. Temperament: Spirited with even disposition Activity Level: Active Life Span: 13-16 years Intelligence: Smart	Patellar luxation (dislocation of kneecap) Retinal dysplasia	Progressive retinal atrophy No issues	No issues	No issues	Early tooth decay Portosystemic shunt Hypothyroidism Tracheal collapse	No issues
4	Golden Retriever	Height: 20-24 inches Weight: 55-80 lbs. Temperament: Friendly and gentle Activity Level: High Life Span: 10-12 years Intelligence: Easily trained	Hip and elbow dysplasia Progressive retinal atrophy	No issues Skin allergies	Heart disease	Epilepsy Hypothyroidism	Pigmentary uveitis	
5	Beagle	Height: 13-16 inches Weight: 20-25 lbs. Temperament: Friendly Activity Level: High Life Span: 12-15 years Intelligence: Smart	No issues Retinal dysplasia Microphthalmia Cataracts Glaucoma Cherry eye	No issues Skin allergies	Enlarged heart	Intervertebral disk disease	No issues	
6	Boxer	Height: 21-26 inches Weight: 50-70 lbs. Temperament: Very friendly and social Activity Level: High Life Span: 10-14 years Intelligence: Very smart	Hip dysplasia Cherry eye Progressive retinal atrophy	Bloat Skin allergies	Heart disease Benign skin tumors	Intervertebral disk disease Hypothyroidism	Boxer cardiomyopathy disease	
7	Bulldog	Height: 12-16 inches Weight: 48-56 lbs. Temperament: Friendly and protective Activity Level: Moderate Life Span: 7-9 years Intelligence: Moderate	Hip and elbow dysplasia Patellar luxation (dislocation of kneecap)	Cherry eye Bloat	Skin allergies Enlarged heart	No issues Valve defects	No issues Cleft palate	
8	Dachshund	Height: 5-12 inches Weight: 6-12 lbs. Temperament: Loyal Activity Level: moderate Life Span: 12-15 years Intelligence: Clever	No issues Progressive retinal atrophy	No issues Skin allergies	No issues Heart disease	Teeth and gum problems Seizures Intervertebral disk disease	Hereditary epilepsy	
9	Poodle	Height: 11-24 inches Weight: 7-70 lbs. Temperament: Friendly Activity Level: High Life Span: 12-15 years Intelligence: Very smart	Hip dysplasia Patellar luxation (dislocation of kneecap)	Progressive retinal atrophy Bloat	Sensitive skin No issues	No issues Hypothyroidism	Sebaceous adenitis	
10	Shih Tzu	Height: 9-11 inches Weight: 9-16 lbs. Temperament: Friendly Activity Level: Moderate Life Span: 14-16 years Intelligence: Moderate	Patellar luxation (dislocation of kneecap) Cherry eye	No issues No issues	No issues Skin allergies	No issues Intervertebral disk disease	No issues Hypothyroidism	
11	Miniature Schnauzer	Height: 12-14 inches Weight: 10-15 lbs. Temperament: Friendly Activity Level: Moderate Life Span: 14-16 years Intelligence: Smart	No issues Progressive retinal atrophy Cataracts	No issues Skin allergies	Heart malformation No issues	Seizures Hypothyroidism	Boxer cardiomyopathy disease	
12	Chihuahua	Height: 6-9 inches Weight: 2-6 lbs. Temperament: Strong-willed Activity Level: Moderate Life Span: 14-17 years Intelligence: Moderate	Patellar luxation (dislocation of kneecap) Progressive retinal atrophy	No issues Sensitive skin	Valve defects No issues	Kidneys stones Fluid build-up in the brain		
13	Rottweiler	Height: 22-27 inches Weight: 85-130 lbs. Temperament: Friendly and protective Activity Level: Moderate Life Span: 10-12 years Intelligence: Smart	Hip and elbow dysplasia Cataracts	Bloat No issues	Heart disease No issues	No issues Tracheal collapse	Tendency to become overweight	
14	Pomeranian	Height: 7-12 inches Weight: 3-7 lbs. Temperament: Friendly Activity Level: Moderate Life Span: 14-16 years Intelligence: Smart	Patellar luxation (dislocation of kneecap) Cataracts	Bloat No issues	Congenital heart defects No issues	Tracheal collapse	No issues	
15	Doberman Pinscher	Height: 24-28 inches Weight: 66-80 lbs. Temperament: Friendly and protective Activity Level: High Life Span: 11-13 years Intelligence: Very smart	Hip and elbow dysplasia No issues	Bloat Skin allergies	Cardiomyopathy Heart disease	Intervertebral disk disease Hypothyroidism	Peripheral neuropathy (Dancing Doberman disease)	

SOURCE: American Kennel Club



- **Grupo:** trabalhadores (cão de guarda)
- **Porte:** grande
- **Altura:** 55 cm - 70 cm
- **Peso:** 38kg - 60kg
- **Temperamento:** amigável e protetor
- **Nível de atividade:** moderado
- **Tempo Vida:** 10 -12 anos
- **Inteligência:** esperto

- **Grupo:** toy (cachorro de colo)
- **Porte:** anão
- **Altura:** 18 cm - 30 cm
- **Peso:** 1.5kg - 4kg
- **Temperamento:** amigável
- **Nível de atividade:** moderado
- **Tempo Vida:** 14 -16 anos
- **Inteligência:** esperto



Comportamento Canino









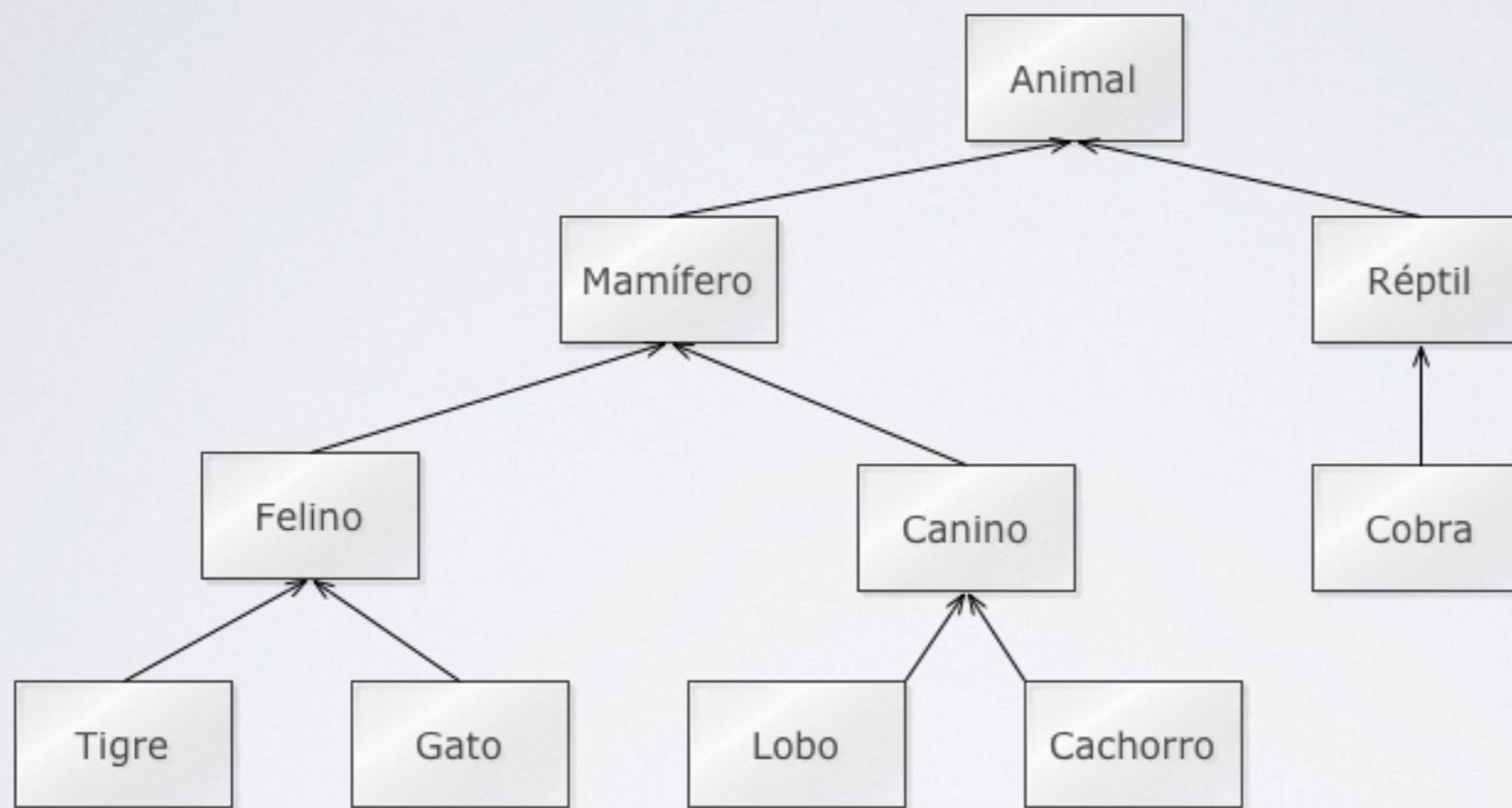






Herança

- Permite reutilização da estrutura e do comportamento de uma classe



Polimorfismo

- Habilidade de variáveis terem "mais de um tipo"

Emitir Som

- Cachorro: late
- Gato: mia
- Vaca: berra
- Cobra: sibila
- Lobo: ruiva

Java: pacotes

- Forma de organizar suas classes
- Convenção: domínio + projeto + pasta
- Ex: com.loiane.cursojava.aula09

Código Fonte:



<https://github.com/loiane/curso-java-basico>

Não conhece Git/Github?

[http://www.loiane.com/2013/11/
screencast-git-e-github-para-iniciantes](http://www.loiane.com/2013/11/screencast-git-e-github-para-iniciantes)



**Link do Curso com
todas as aulas
publicadas**

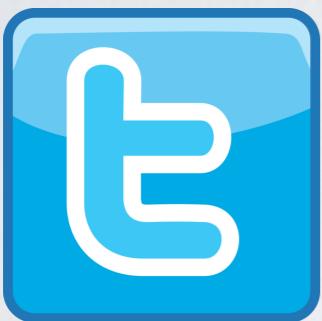
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Obrigada!

