

## Lesson 09

## Software Installation

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Install node.js (version 12.13.0 LTS)

Install Typescript Module: in cmd console type: npm install -g typescript

Install WebStorm from JetBrains.

## Introduction to TypeScript

In WebStorm, create a project from type Node.js.

Write a program in TypeScript for the modelization of the following animal taxonomy.

## # Animal Taxonomy

Animal	>	Reptile				
Animal	>	Mammal	>	Bovine		
Animal	>	Mammal	>	Canine		
Animal	>	Mammal	>	Feline	>	Cat
nAnimals habitat		nMammals		nFelines family		nCats
		show()		show()		show()
		talk()				talk()
		sound				sound
						name

- Animal, Reptile, Mammal, Bovine, etc. are classes or interfaces. Decide how to implement each one.
- For each one, you have properties and methods to implement. Some of them don't have an implementation.
- Properties beginning by "n" have the number of instances of that class.
- The method show(), write the quantity of existent animals and other information if present, like habitat, family and name.



- The method talk(), write the sound made by the animal.
- Each class and interface must be placed in one single module.
- Create a typescript (ts) file, named "app.ts" to test

In a cmd console, run the commands to compile e run the application:

- tsc app.ts
- node app.js