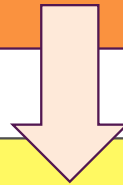# What are "Prototypes"?

JavaScript uses "Prototypical Inheritance"
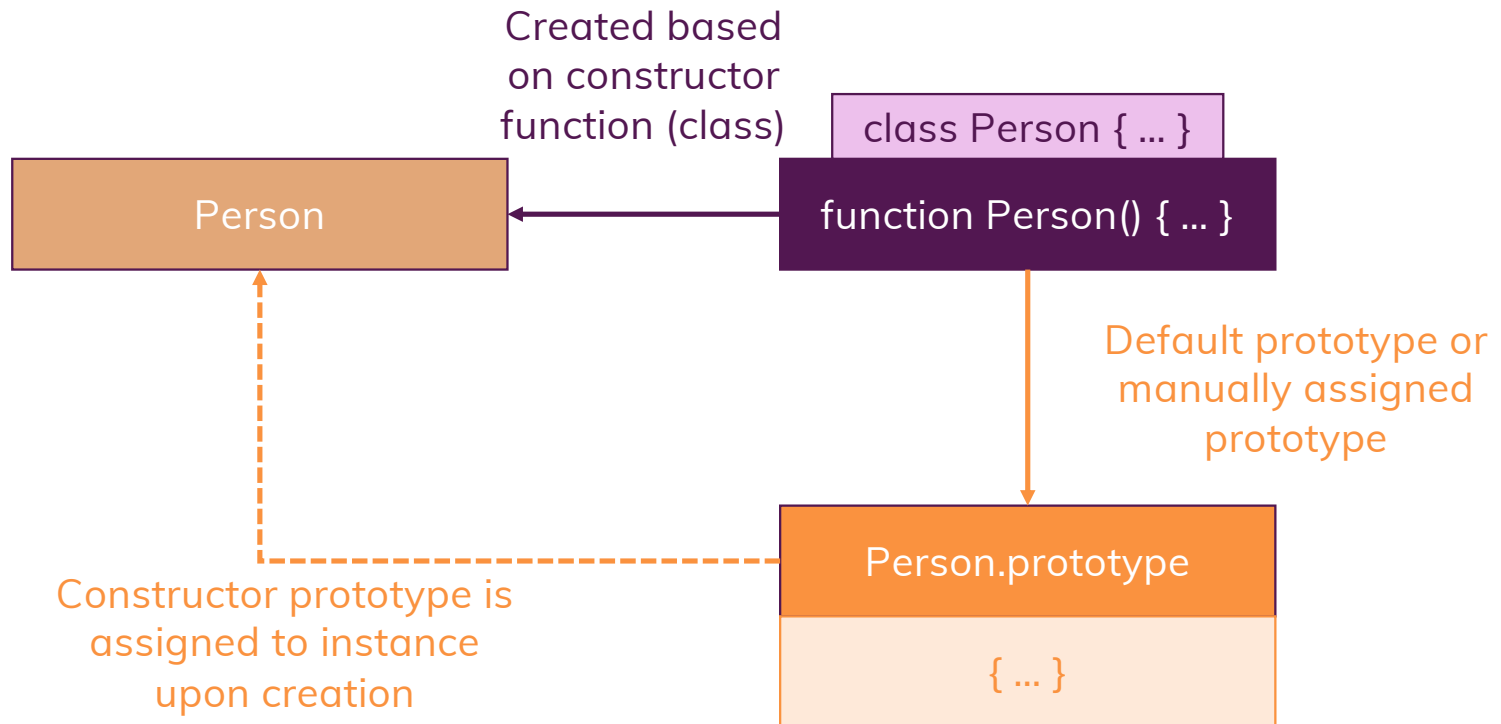
The `class` Syntax is basically just "syntactic sugar"

Constructor Functions & Prototypes power JavaScript Objects

Prototypes

Created based on constructor function (class)

class Person { ... }

function Person() { ... } → Person

Default prototype or manually assigned prototype

Person.prototype

{ ... }

Constructor prototype is assigned to instance upon creation

Prototype Objects == "Fallback Objects"

person
name
greet

person's prototype
sayHello()

Also an object!
Prototypes are objects!

There is no sayHello() method on the person object!

JavaScript automatically looks into the prototype of the object and searches for the property or method there

person.sayHello()