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Track: Open Source - Alexandria

Intake: 44

Course: Javascript

Inheritance in function constructor

In JavaScript, inheritance can be achieved using function constructors and prototypes. The concept of inheritance allows one object to inherit properties and methods from another object, creating a hierarchical relationship between them.

```
function Animal(name) {
         this.name = name;
       Animal.prototype.sayHello = function () {
         console.log("Hello, I'm " + this.name);
       function Dog(name, breed) {
         Animal.call(this, name);
         this.breed = breed;
       Dog.prototype = Object.create(Animal.prototype);
       // Set the constructor property back to Dog (since it was overwritten by Object.create)
       Dog.prototype.constructor = Dog;
       // Adding a method specific to Dog
       Dog.prototype.bark = function () {
         console.log("Woof!");
       var genericAnimal = new Animal("Generic Animal");
       var myDog = new Dog("Buddy", "Golden Retriever");
       // Test the inherited methods
       genericAnimal.sayHello(); // Output: Hello, I'm Generic Animal
86
       myDog.sayHello();  // Output: Hello, I'm Buddy
       myDog.bark();
```