

Intro To JavaScript – Day 7

Functional Inheritance in JavaScript

```
let Mammal = function(spec) {
  let that = {};

  that.name = function() {
    return spec.name;
  };

  that.says = function() {
    return spec.sound || '';
  };

  return that;
};

let Cat = function(spec) {
  spec.sound = spec.sound || 'meow';
  let that = Mammal(spec);

  that.purr = function(times) {
    sound = '';

    for (let i = 0; i < times; i++) {
      if (sound.length % 2 == 1) {
        sound += '-';
      }
      sound += 'r';
    }

    return sound;
  };

  return that;
};

let myCat = Cat({name: 'Catly'});
console.log(myCat.name());
console.log(myCat.says());
console.log(myCat.purr(10));
```