

JavaScript + HTML/CSS

基本概念

• 变量 Variable

实例

- left = 100;
- image = document.getElementById('mouse');
- image.style.left = 100 + "px";
- image.onclick = function() { that.walk(); }
- 方法 Function/Method

构成

- 方法名
- 方法参数列表:参数之间用","分隔,参数可设缺省值
- 方法体:用"{}"包围
- 方法返回值:可以 return 变量名; 返回结果,如不return,相当于返回 undefined

实例

```
function walkOneStep(distance = 0) {
  this.left += distance;
  this.image.style.left = this.left + "px";
  console.log("cat.left = " + this.image.style.left);
}
```

类型 Type

分类

- 数值型 Number:eg. 100, 0, -0.5
- 字符串型 String: 包含方法eg.substring(), indexOf(), lastIndexOf()
- 对象型 Object:某个类的实例,eg.document 就是一个系统对象、提供了很多方法
- 方法型 Function/Method:输入参数,执行命令、输出结果
- 类 Class 与 对象实例 Object Instance

• 类的声明/定义 Delcaration/Definition

实例

```
class Mouse {
      speed = 10;
      left = 0;
      image = null;
      constructor(height=0, width=0) {
        //1.create an image, and append it to the 'body'
        this.image = document.createElement('img');
        this.image.src = 'mouse_right.png';
        if (height > 0) {
          this.image.height = height;
        if (width > 0) {
          this.image.width = width;
        this.image.style.position = "relative";
        document.getElementById('body').appendChild(this.image);
      walk(){
        //1.increase the left position attribute/property of the object, by "speed"
        this.left += this.speed;
        \ensuremath{//2}.assign the position to the left attribute of the image
        this.image.style.left = this.left + 'px';
}
```

• 类的实例化 ⇒ 对象 ⇒ 赋值给变量

实例

```
var mouse1 = new Mouse(0, 48);
mouse1.walk();
```

Jack Learns to Hack



