

Basic Types

number

bool

string

any

Declarations

var x: any Basic declaration

var x: {a:any; x is an object
b:any};

var x: Foo; x is instance of class
 Foo

Parameters

x:any Basic parameter

x:() => string Function that returns
 string.

x:{a:any;- Object that contains a and
b:any}; b

x:Foo Object that is a class of
 Foo

x?:any Optional parameter

Function

```
function a(x:bool);
```

```
function a(x:number);
```

```
function a(x:any):bool{
  return x%2 == 0;
}
```

```
a(2);
```

Basic Class

```
class Goose{
  a:number;
  private b:bool;
  constructor(x: number, y:bool = true){
    this.a = x;
    this.b = y;
  }
}
var x: Goose = new Goose(50);
```

Class Inheritance

```
class Suzy extends Goose{
  constructor(public c: string){
    super(0, true);
  }
}
var y: Suzy = new Suzy("foo");
console.log(y.c + " | " + y.a);
var z: Goose = new Suzy("bar")
```

Interface Example

```
interface Foo{
  a(b:number):bool;
}
class Bar implements Foo{
  a(b:number){
    return false;
  }
}
var x:Foo = new Bar();
```

Function Explanation

Overload functions with bool and number.
Create new function that takes a number x and returns a bool.
Execute function.

Class Explanation

Create a new class.
Public attribute.
Private attribute.
constructor with attributes x and y
y is optional and defaulted to true.
Instantiate with x as 50 and use default for y

Inheritance Explanation

New class that extends Goose
constructor. creates a public var c
calls inherited constructor.
New instance of the class.
Accessing public attribute c and a.
Making a new Goose using class Suzy.

Interface Explanation

Create a new Interface
Which much have function a
Create a new class that implement Foo
Implement everything in Foo
Create a new instance of type Foo



By **Chuck**
cheatography.com/chuck/

Not published yet.
Last updated 11th May, 2016.
Page 1 of 1.

Sponsored by **Readable.com**
Measure your website readability!
<https://readable.com>