

(in order to inherit static members), and appropriately establishes the 'prototype' property of the derived constructor function object.

```
var __extends = this.__extends || function(d, b) {  
    for (var p in b) if (b.hasOwnProperty(p)) d[p] = b[p];  
    function f() { this.constructor = d; }  
    f.prototype = b.prototype;  
    d.prototype = new f();  
}
```

*BaseClassName* is the class name specified in the extends clause.

If the class has no explicitly declared constructor, the *SuperCallStatement* takes the form

```
_super.apply(this, arguments);
```

Otherwise the *SuperCallStatement* is present if the constructor function is required to start with a super call, as discussed in section 8.3.2, and takes the form

```
_super.call(this, <SuperCallArguments>)
```

where *SuperCallArguments* is the argument list specified in the super call. Note that this call precedes the code generated for parameter properties and member variables with initializers. Super calls elsewhere in the constructor generate similar code, but the code generated for such calls will be part of the *ConstructorStatements* section.

A super property access in the constructor, an instance member function, or an instance member accessor generates JavaScript equivalent to

```
_super.prototype.<PropertyName>
```

where *PropertyName* is the name of the referenced base class property. When the super property access appears in a function call, the generated JavaScript is equivalent to

```
_super.prototype.<PropertyName>.call(this, <Arguments>)
```

where *Arguments* is the code generated for the argument list specified in the function call.

A super property access in a static member function or a static member accessor generates JavaScript equivalent to

```
_super.<PropertyName>
```

where *PropertyName* is the name of the referenced base class property. When the super property access appears in a function call, the generated JavaScript is equivalent to

```
_super.<PropertyName>.call(this, <Arguments>)
```

where *Arguments* is the code generated for the argument list specified in the function call.