

Http WebSocket Server

[httpws.com](http://httpws.com)

*Bernardo Breder*



# Java to Javascript

# HwJavaScript

➤ `var a = 5;`

➤ `$def("a", 5);`

➤ `var b = "abc";`

➤ `$def("b", "abc");`

➤ `a = b;`

➤ `$var("a").$assign($("b"));`

# HwJavaScript

➤ `if (a == 5) {  
    a = 6;  
}`

➤ `$if($("a").Seq(5), () -> {  
    $("a").$assign(6);  
});`

# HwJavaScript

```
➤ while (true) {  
    if (a == 5) {  
        a = 6;  
    }  
}
```

```
➤ $while(true, () -> {  
    $if($("a").$eq(5), () -> {  
        $("a").$assign(6);  
    })  
});
```

# HwJavaScript

- `window.addEventListener("load", function () {  
    alert(5);  
}, false);`
- `$exec($(WINDOW, "addEventListener", $call("load", () -> {  
    $alert($val(5));  
}, false));`

# HwJavascript

- `window.addEventListener("load", function () {  
    alert(5);  
}, false);`
- `public class MyCode extends HwJavascript {  
    public MyCode () {  
        $exec($(WINDOW, "addEventListener", $call("load", () -> {  
            $alert(5);  
        }), false));  
    }  
}`



Java to Ccss

# HwCss

➤ `h1 { margin: 5px; }`

➤ `$h1().$margin(5);`

➤ `p { margin: 5px; padding: 5px; }`

➤ `$p().$margin(5).$padding(5);`

# HwCss

➤ `.abc { margin: 5px; }`

➤ `$(".abc").$margin(5);`

➤ `#abc { margin: 5px; }`

➤ `$("#abc").$margin(5);`

➤ `h1, h2, .abc { margin: 5px; }`

➤ `$("h1", "h2", ".abc").$margin(5);`

# HwCss

- ```
.abc { margin: 5px; }  
.123 { padding: 5px; }  
.abc123 { margin: 5px; padding: 5px; }
```
- ```
$(".abc").$margin(5);  
$(".123").$padding(5);  
$(".abc123").$extend($(".abc").$extend($(".123"));
```

# Java to Sql

# HwSql

➤ `select * from dual`

➤ `$select().$from("dual")`

➤ `select 1 from dual`

➤ `$select(1).$from("dual")`

➤ `select a.id from a`

➤ `$select($col("a.id")).$from("a")`

# HwSql

➤ select b.id, b.name  
from b

➤ \$select(\$col(B.ID), \$col(B.NAME))  
.\$from(B.TABLE)

# HwSql

➤ select a.id, b.name  
from a, b

➤ \$select(\$col(A.ID), \$col(B.NAME))  
.\$from(A.TABLE)  
.\$from(B.TABLE)



# HwSql

➤ select a.id, b.name  
from a  
join b on a.id = b.id

➤ \$select(\$col(A.ID), \$col(B.NAME))  
.\$from(A.TABLE)  
.\$join(B.TABLE, \$col(A.ID).\$eq(\$col(B.ID)))

# HwSql

- `select b.id, b.name  
from b  
where b.id in (1,2,3)`
- `$select($col(B.ID), $col(B.NAME)  
.$from(B.TABLE)  
.$where($col(B.ID).$in(1, 2, 3))`

# HwSql

➤ select b.id, b.name  
from b

where b.id in (1,2) or b.id = 3

➤ \$select(\$col(B.ID), \$col(B.NAME))  
.\$from(B.TABLE)

.\$where(  
    \$col(B.ID).\$in(1, 2).\$or(\$col(B.ID).\$eq(1))

)

# HwSql

- `select b.parent_id, max(b.age)`  
`from b`  
`group by b.parent_id`
- `$select($col(B.PARENT_ID), $max(B.AGE))`  
`.$from(B.TABLE)`  
`.$group($col(B.PARENT_ID))`

# HwSql

➤ select b.name  
from b  
order by b.name

➤ \$select(\$col(B.NAME))  
.\$from(B.TABLE)  
.\$order(\$col(B.PARENT\_ID))

# HwSql

➤ select b.parent\_id, max(b.age)  
from b  
group by b.parent\_id  
having count(b.parent\_id) > 1

➤ \$select(\$col(B.PARENT\_ID), \$max(B.AGE))  
.\$from(B.TABLE)  
.\$group(\$col(B.PARENT\_ID))  
.\$having(\$count(B.PARENT\_ID).\$gt(1))