Ecma 7 Cheat Sheet

Exponentiation Operator

Performs exponential calculation on operands. Same algorithm as Math.pow(x, y).

```
let cubed = x => x ** 3;
cubed(2) //8;
```

Async functions

Deferred generators.

```
function wait(t) {
    return new Promise((r) => setTim
}
async function asyncMania() {
    console.log("1");
    await wait(1000);
    console.log("2");
}
asyncMania()
.then(() => alert("3"));
//logs: 1 2 3
```

Object Observe

Asynchronously observing the changes to an

Object.getOwnPropertyDescriptors

Returns a property descriptor for an own

```
//Creating a shallow copy.
var shallowCopy = Object.create(
   Object.getPrototypeOf(originalOb
   Object.getOwnPropertyDescriptors).
```

Object.values

Get all the values of the object as an array.

```
var person = { fname: "Hemanth", lna
Object.values(person);
//f"Homanth" "HM", "Farth", "Human"}
```

Object.entries

Returns a Array of arrays of key, value pairs.

```
var person = { fname: "Hemanth", lna
Object.entries(person);
//[["fname","Hemanth"],["lname","HM"
```

Array.prototype.includes

Determines whether an array includes a certain element or not.

```
[1, 2, 3].includes(3, 0, 7); //true
[1, 2, NaN].includes(NaN); //true
[0,+1,-1].includes(42); //false
```

Typed Objects

Portable, memory-safe, efficient, and structured access to contiguously allocated data.

```
var Point = new StructType({
    x: int32,
    y: int32
});
var point = new Point({
    x: 42,
    y: 420
});
```

Trailing commas in function syntax

Trailing commas in parameter and argument

```
var meow = function (cat1, cat2,) {}
Math.max(4,2,0,);
```

Class properties

Properties of class.

```
class Cat {
   name = 'Garfield';
   static says = 'meow';
}
new Cat().name; //Garfield
Cat.says: //meow
```

Map.prototype.toJSON

toJSON for Maps.

```
var myMap = new Map();
myMap.set(NaN, "not a number");
console.log(myMap.toJSON()); //{"NaN
```

Set.prototype.toJSON

toJSON for Sets.

```
var mySet = new Set();
mySet.add(NaN);
mySet.add(1);
console.log(mySet.toJSON()) //{"1":1
```

String.prototype.at

String containing the code point at the given

```
'abc≣def'.at(1) //'b'
'abc≣def'.at(3) //'≣'
```

Object spread properties

Spread properties for object destructuring

```
let info = {fname, lname, ...rest};
info; //{ fname: "Hemanth", lname: "
```

String.prototype.padLeft

left justify and pad strings.

```
"hello".padLeft(4); //"hello"
"hello".padLeft(20); //"hello"
"hello".padLeft(20, '1234') //"hello
```

String.prototype.padRight

String.prototype.trimRight