Objects

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide/Working_with_Objects

Object Literals

```
var person = {
  name: "Eirik",
  hobbies: ["Programming", "Playing guitar"],
  speak: function () {
    return "Hi, my name is " + this.name;
  }
};
```

Objects

- Collection of properties
- Properties: names, values, attributes
- Names: always strings internally

Brackets vs. dot-notation

```
var person = { firstName: "Eirik" };

assertEquals(
  person.firstName,
  person["firstName"]
);
```

Dynamic property names

```
var person = { firstName: "Eirik" };

var myProperty = "firstName";


assertEquals(
  person.firstName,
  person[myProperty]
);
```

Property names

```
var obj = {};
obj["3"] = 42;


assertEquals(obj["3"], obj[3]);
```

Always converted to string internally (!)

Useful methods

```
1  var hero = {
2    name: "Thor",
3    weapon: "hammer",
4    strength: 1000
5  };
6
7  var keys = Object.keys(hero);
8  // ['name', 'weapon', 'strength']
9
10 var values = Object.values(hero);
11 // ['Thor', 'hammer', 1000]
```

Object exercises

Canvas: exercises-objects.zip