The Object Type

A brief overview for the Object data type

An object is data structure with String keys and arbitrary values. Imagine it like a machine that accepts a key, and gives you a value. Some people call this data structure *associative array*, others call it *hashmap*. These names may sound fancy, but essentially we mean the same damn thing.

Side note: `Symbol` *keys are also allowed for strings. This is an advanced topic, you will learn it later.*

```
let author = {
  name: null,
  website: "zsoltnagy.eu",
  age: 35
}

author.name = "Zsolt";
console.log( author.name, author[ "website" ] )
// Prints: Zsolt zsoltnagy.eu

delete author.name
console.log( "Author name: ", author.name )
// Prints: Author name: undefined
```

A *field* in an object can be referenced in the following ways:

- dot notation: `object_name.member_name`
- bracket (associative array) notation: `object_name[ string_or_symbol_value ]`

The `delete` operator deletes a field from an object.

If a field in an object is deleted or not even declared, the value of this field is `undefined`.

We will learn a lot more about objects later.