**JavaScript Object**

**Keyword:** container, key, value, properties, method, Dot, bracket

**Decalartion:**

const object\_container ={ key :value};

Expanded Declaration:

const object1 = {

    key1:"value1",

    key2:"value2",

    objectInsideObject :{

        key3:"value3",

        key4:"value4"

    },

    method1: function(key1,key2){

        this.objectInsideObject.key3=key1;

        this.objectInsideObject.key4=key2;

    }

};

* object1 is object container.
* All key-value pairs are object properties.
* Function inside a object is called method.
* Object can contain other objects also.

Objects are variables too. But objects can contain many values.

Note: Variables are not object.

**Variable**

const name = "Robert Prute";

typeof(name)

'string'

**Object**

const name ={

    firstName: "Robert",

    lastName : "Prute"

}

typeof(name)

'object'

Example:

const backpack = {

  name: "Everyday Backpack",

  volume: 30,

  color: "grey",

  pocketNum: 15,

  strapLength: {

    left: 26,

    right: 26,

  },

  lidOpen: false,

  toggleLid: function (lidStatus) {

    this.lidOpen = lidStatus;

    updateBackpack(`Lid status changed.`);

  },

  newStrapLength: function (lengthLeft, lengthRight) {

    this.strapLength.left = lengthLeft;

    this.strapLength.right = lengthRight;

    updateBackpack(`Strap lengths updated.`);

  },

};

**Accessing Objects Properties**

Object can be accessed in two ways.

1. Dot Notation
2. Square Bracket Notation

**Dot Notation(**◉**)**

Object◉property

* backpack.name
* backpack.color
* backpack.lidOpen

**Square Bracket Notation[]**

Object[property]

* backpack["name"]
* const query ="name";

backpack[query]

References:

<https://www.linkedin.com/learning/javascript-essential-training>

<https://www.w3schools.com/js/js_objects.asp>

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