# Opdrachten – dag 1

## introduction to JavaScript *-* comparisons with the logical Or Operator

**Quoting Strings with Single Quotes**

var myStr = "<a href=\"http://www.example.com\" target=\"\_blank\">Link</a>";

🡪

var myStr = '<a href="http://www.example.com" target="\_blank">Link</a>';

**Escape Sequences in Strings**

var myStr = 'FirstLine\n\t\\SecondLine\nThirdLine';

// myStr:

FirstLine

\SecondLine

ThirdLine

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## Write reusable JavaScript *-* Assignment with a Returned value

**Accessing Object Properties with Dot Notation**

// Setup

var testObj = {

  "hat": "ballcap",

  "shirt": "jersey",

  "shoes": "cleats"

};

// Only change code below this line

var hatValue = testObj.hat;      // Change this line

var shirtValue = testObj.shirt;    // Change this line

**Accessing Object Properties with Bracket Notation**

// Setup

var testObj = {

  "an entree": "hamburger",

  "my side": "veggies",

  "the drink": "water"

};

// Only change code below this line

var entreeValue = testObj["an entree"];   // Change this line

var drinkValue = testObj["the drink"];    // Change this line

**Accessing Object Properties with Variables**

// Setup

var testObj = {

  12: "Namath",

  16: "Montana",

  19: "Unitas"

};

// Only change code below this line

var playerNumber = 16;       // Change this line

var player = testObj[playerNumber];   // Change this line

**Using Objects for Lookups**

// Setup

function phoneticLookup(val) {

  var result = "";

  // Only change code below this line

    var lookup = {

    "alpha":"Adams",

    "bravo":"Boston",

    "charlie":"Chicago",

    "delta":"Denver",

    "echo":"Easy",

    "foxtrot":"Frank",

  };

  return lookup[val];

  // Only change code above this line

  return result;

}

phoneticLookup("charlie");

**Testing Objects for Properties**

function checkObj(obj, checkProp) {

  // Only change code below this line

  if(obj.hasOwnProperty(checkProp)) {

    return obj[checkProp];

  }

  else {

    return "Not Found";

  }

  // Only change code above this line

}

**Manipulating Complex Objects**

Let op: You will need to place a comma after every object in the array, unless it is the last object in the array

var myMusic = [

  {

    "artist": "Billy Joel",

    "title": "Piano Man",

    "release\_year": 1973,

    "formats": [

      "CD",

      "8T",

      "LP"

    ],

    "gold": true

  },

  {

    "artist": "Pearl Jam",

    "title": "Yield",

    "release\_year": 1998,

    "formats": [

      "CD",

      "8T",

      "LP",

      "iTunes"

    ]

  }

];

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## Build JavaScript objects-Record Collection

**Accessing Object Properties with Dot Notation**

// Setup

var testObj = {

  "hat": "ballcap",

  "shirt": "jersey",

  "shoes": "cleats"

};

// Only change code below this line

var hatValue = testObj.hat;      // Change this line

var shirtValue = testObj.shirt;    // Change this line

**Accessing Object Properties with Bracket Notation**

// Setup

var testObj = {

  "an entree": "hamburger",

  "my side": "veggies",

  "the drink": "water"

};

// Only change code below this line

var entreeValue = testObj["an entree"];   // Change this line

var drinkValue = testObj["the drink"];    // Change this line

**Accessing Object Properties with Variables**

// Setup

var testObj = {

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// Only change code below this line

var playerNumber = 16;       // Change this line

var player = testObj[playerNumber];   // Change this line

**Using Objects for Lookups**

// Setup

function phoneticLookup(val) {

  var result = "";

  // Only change code below this line

    var lookup = {

    "alpha":"Adams",

    "bravo":"Boston",

    "charlie":"Chicago",

    "delta":"Denver",

    "echo":"Easy",

    "foxtrot":"Frank",

  };

  return lookup[val];

  // Only change code above this line

  return result;

}

phoneticLookup("charlie");

**Testing Objects for Properties**

function checkObj(obj, checkProp) {

  // Only change code below this line

  if(obj.hasOwnProperty(checkProp)) {

    return obj[checkProp];

  }

  else {

    return "Not Found";

  }

  // Only change code above this line

}

**Manipulating Complex Objects**

Let op: You will need to place a comma after every object in the array, unless it is the last object in the array

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    "release\_year": 1998,

    "formats": [

      "CD",

      "8T",

      "LP",

      "iTunes"

    ]

  }

];

## iterate - profile lookup

**Iterate with JavaScript While Loops**

The first type of loop we will learn is called a while loop because it runs "while" a specified condition is true and stops once that condition is no longer true.

// Setup

var myArray = [];

// Only change code below this line

var i = 5;

while(i >= 0) {

  myArray.push(i);

  i--;

}