

# Worksheet 1

## A. Basic In- and output

**Exercise 1.** Create an empty HTML page. When the user opens the page, he shall be greeted with an alert window.

**Exercise 2.** Create a copy of your previous solution. The greeting message shall now be printed to the developer console.

**Exercise 3.** Create an empty HTML page. When the user opens the page, he shall be asked to enter his name and his age.

## B. Variables

**Exercise 4.** Create a copy of your previous solution. Extend it in such a way that the user inputs are shown using an alert window.

**Exercise 5.** Which of the following variable declarations are not valid? Explain.

```
1. var $name
2. Var name = "Thor"
3. var number8 = 4,13
4. var number_0 = 4.13
5. var p i = 3.14159
6. var 0number = 0.0
7. var average = 45,5
8. var birth-Year = 1992
9. var var = "Warning"
```

**Exercise 6.** Which of the following variable declarations does not respect the conventions? Explain.

```
1. var FirstName = "Haala";
2. var a = prompt("What's your favorite series? ");
3. var numberofgoals = 7;
```

## C. Arithmetic

**Exercise 7.** Create an empty website. When the user opens the page, he shall be asked to enter two numbers one after another. The sum of the two numbers shall be displayed using an alert window. What do you observe?

Please enter the first number:

  
 

Please enter the second number:

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**Exercise 8.** Create a copy of your previous solution and extend it so that multiple operations are being performed and printed to the console. Use addition, subtraction, multiplication, division and exponentiation. Can you find all the operators?

$$6 + 3 = 9$$

$$6 - 3 = 3$$

$$6 * 3 = 18$$

$$6 / 3 = 2$$

$$6^3 = 216$$

**Exercise 9.** Create an empty website that asks the user for a distance in kilometres (km). After the user's input, the page shall calculate the distance in meters (m) and show it using an alert window.

