VARIABLES WARM UP TASKS

First, download the **05_Variables_Warm_Up_Tasks.zip** file from the course outline page. There you find templates (**.html** and **.js** files) for the exercises below.

- Please write all your JavaScript code to the **.js** files.
- You should **NOT** change anything in the **.html** files.

QUICK REFERENCE

Variable declaration	`var firstName;` `var age = 5;`
Assignment operation	`x = 3.14 * y;`
Arithmetic operators	`+  -  *  /  %` (*remainder:* **10 % 6** *is* **4**)
Join strings (and any other data)	`firstName + ", your age is " + age + " years"`
Input **text** from the user	`var firstName = document.getElementById("txtFirstName").value;`
Input a **number** from the user	`var price = Number(document.getElementById("txtPrice").value);`
Set the **number of decimal places** to be printed	`console.log("The price is " + price.toFixed(1));`
Show output on the HTML page	`document.getElementById("divResult").innerHTML = "Hello";`

05_variables_warmup_1

The template page looks as below. Complete the program so that it shows an email address as below when the user clicks the button. The email address format is the following:

   *givenName***.***surname***@myy.haaga-helia.fi**

 Assign the email address to a variable before displaying it.

05_variables_warmup_2

The template page looks as below. Complete the program so that it **shows the sum of the given numbers** as below when the user clicks the button. Assign the sum to a variable before displaying it.

05_variables_warmup_3

The template page looks as below. Complete the program so that it ***shows minutes*** as below when the user clicks the button. Assign the calculation result to a variable before displaying it.

Show minutes

Hours:

Minutes:

Show minutes

Show minutes

Hours:

2

Minutes:

45

Show minutes

165 minutes

05_variables_warmup_4   *(This is a little bit more challenging exercise)*

The template page looks as below. Complete the program so that it ***shows hours and minutes*** as below when the user clicks the button. Assign the calculation results (hours and minutes) to ***two separate variables***. Hint: Use the ***remainder operator*** here.

Show hours and minutes

Minutes:

Show hours and minutes

Show hours and minutes

Minutes:

215

Show hours and minutes

3 h 35 min

05_variables_warmup_5   *(This is a little bit more challenging exercise)*

The template page looks as below. Complete the program so that it ***shows the account balance at the end of the first year*** and ***at the end of the second year*** when the user clicks the button.

Two-year savings account

Starting balance:

Annual interest rate (%):

Calculate

Two-year savings account

Starting balance:

500

Annual interest rate (%):

10

Calculate

1. year: 550.00
2. year: 605.00

Hints
- You can assign the calculation results to ***two separate variables***.
- You can insert a ***break tag*** to make the output to be printed on two lines.
- You can use the ***toFixed*** function to set the number of decimal places to be printed.