MACROBUTTON HTMLDirect MACROBUTTON HTMLDirect **Exercises day 3**

# Javascript intro

**Ex. 1** String methods, Loop, if

//a. Make a HTML document with JavaScript that write the length of the text string "Dette er en tekst" in an alert box.

//b. Make js loop that writes the characters in the text string with a document.write() metode.

hit: String method charAt()

//c. Output how many times the character t is used in the text string.

**EX.1\_UI** = Web User Interface

//a. Make a html form with a textarea were the user and write or paste a textstring, and a submit button that calculates the numbers a the character 't' in the textstring.

Øverst på formularen

Nederst på formularen

Hint's:

document.getElementsById("tekstInput").value,

<textarea name="tekst" cols="100" rows="10" id="textInput">There are times when you want to know how many chararcters are in a string.</textarea>

# Exercise 2 Make a canvas based game with some of your own elements

[http://billmill.org/static/canvastutorial/index.htm](http://billmill.org/static/canvastutorial/index.html)l

Final code: <https://github.com/llimllib/refresh-canvas/blob/master/final.html>

Own elements:

Try some of the reference-tutorials to make e.g. a simple spaceship, ball version 2....  
<http://www.html5canvastutorials.com/tutorials/html5-canvas-tutorials-introduction/>

# Exercise 3: Video testpage

Make a HTML5 video testpage and test it in as many browsers and devices as you can. Write your test results on the page.

1. Embed some <video> and <audio> elements to the page where you use different <source> formats.  You can use some of the videofiles format in Video\_audio.zip thats uploaded to Fronter.
2. Find your own videofile in e.g. the mp4 format  and use the Miro video converter to make   ogg,   WebM og mp4.Iphone (H.264 codec) formats.
3. Embed a YouTube or Vimeo video to the page
4. Upload the videotest folder to your webserver.
5. Make some **Cross browser/device tests.**
   1. Note the Brower name, version and devices type+OS.
   2. Take a screendump of the result

# Handin to Fronter before 24/3