

158.256 Web Development

## Graded Lab Practical – The HTML5 Canvas (10 Marks)

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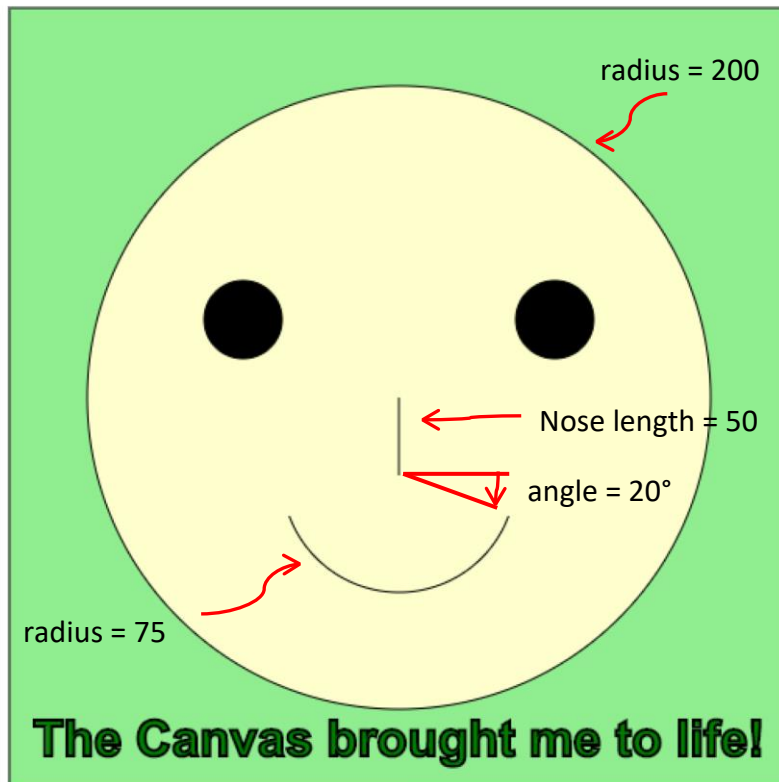


Figure 1: Smiley Face

Figure 1 shows a smiley face and some text drawn using the HTML5 Canvas element and JavaScript. Your task is to re-create the image text and light green background as shown. Your image does not need to match exactly, rather all elements should be present and similarly configured. The following list is some instructions to get you going.

1. Download from Stream, 09-javascript-canvas-lab-prac-miley.html. Open the file in your editor.
2. Add a `<canvas>` element within the `<div>` element. Make the canvas 600 width and 600 height and give it an `id` attribute with a value of "smiley".
3. Create a separate file for your JavaScript with a `.js` file extension in the same directory where you put the html file. Link your html file to the JavaScript file you just created.
4. Create a function in your JavaScript file that draws the picture.
  - ❖ **Hint:** use the `"window.onload"` event to invoke your function.
5. Feel free to alter any of the fill colours e.g. face colour or eye colour etc. As long as the face and text are still recognisable.
6. Upload your Web page to your university hosted site.

Marking Schedule	
Component	Marks
Creating the html canvas	2
Creating the JS file and linking to html code	1
Writing the JS code for drawing the picture	5
Uploading code to server	2