

IS 242 Web Application Development I

Lab sheet 6: Introduction to JavaScript (Part 2)

Objective

The objective of today's lab is to get you to combine some of the concepts we have covered to create some meaningful work with JavaScript.

Exercise 1

Sara would like to help her visitors in converting some of the important kitchen measurements. She would like to incorporate a web page that helps visitors convert from table spoons to tea spoons and vice versa; from pounds to kilograms and vice versa; and finally from Fahrenheit to Celsius and vice versa.

Note the following:

1 table spoon = 3 tea spoons

1 pound = 0.45 kilograms

Celsius = ((Fahrenheit - 32) * 5) / 9

Fahrenheit = ((Celsius * 9) / 5) + 32

To do that, create the web page that looks similar to the one given below:

The screenshot shows a web page titled "Sara's Cake" with a navigation menu containing "home", "my recipes", "catering", "Measurment Conversion", and "about". The main content area is titled "Kitchen Measurment Converter" and is divided into three sections:

- Liquid Conversion:** A form with "Convert" followed by an input field containing "3", "Table spoon Into", another input field containing "9", and "Tea spoons".
- Weight Conversion:** A form with "Convert" followed by an input field containing "12", "Pound Into", another input field containing "5.4", and "Kilograms".
- Temprature Conversion:** A form with "Convert Celsius" followed by an input field containing "130", "Into Fahrenheit", another input field containing "266", and "266".

At the bottom of the page, there is a footer that reads "©2015 Sara's Bakery".

You would need to create the converting functions and call them using the "onChange" event.