# Assignment 3 ‘Scripting’ [P3, M2, D1]

**P3 Explain the fundamentals of a scripting language**

**M2 Discuss how a scripting language can improve functionality**

**D1 Explore how web pages using scripts are implemented in different browsers**

Your trainees are progressing well with CSS but are still a little confused about scripting languages. Your manager has asked you to create a presentation to help them.

**Task 1 (P3)**

Create a presentation that covers the following:

1. What a scripting language is, how it works in a web page and what types of scripting language are available (include *object oriented, event driven, objects, methods and events*).
2. The main features of a scripting language (*loop, decision making, functions, events, methods and properties*). Describe each feature and give **one** example of each.
3. Describe and find an example (annotated screen shot of a web page) of **four** of the following uses: *alerts, confirming choices, prompting the user, redirecting the user, browser detection, creating rollovers, checking/validating input, handling forms, maintaining cookies.*

**Task 2** **(M2)**

Add to your presentation by explaining how a scripting language can improve functionality:

1. Discuss the advantages and disadvantages of using scripting with reference to 2 or 3 different websites. Consider their functionality/suitability/usefulness if they didn’t have those scripts.

Suggest other aspects of interactivity which would improve the sites further.

**Task 3 (D1)**

The trainees need to be made aware of how different browsers implement web pages using scripts. Carry out research in **one** of two ways:

EITHER

1. Create a web page with scripting and test it in TWO different browsers (eg IE, Firefox, Chrome), noting the similarities and differences  
   OR
2. Use the internet or other reference resource to find more information on how different browsers interpret scripts. Make sure you use reputable sites and cite your sources in your presentation.

… and add this information to your presentation:

SAVE your presentation as: **Scripting Assignment P3M2D1** and ensure your name is on the front slide and send it by the deadline set to your teacher

***Note****: you CANNOT use the examples provided in lessons.*

*If you are using code you found on the internet, you MUST reference that website. Otherwise this is classed as plagiarism and you are in breach of copyright.*