

# Exercise 5 – Tables & Iframes

## Objective

- Build a table using the various tags we have discussed
- Create an iframe within which we will load further details of each training course



A sample of our courses

Course Title	Subject Area	Length	Cost
<a href="#">AWS Technical Essentials</a>	Technical IT	1 day	£495
<a href="#">Configuring and Deploying a Private Cloud</a>	Technical IT	5 days	£2066
<a href="#">PRINCE2 Foundation</a>	Project Management	2 days	£898
<a href="#">Brilliant Virtual Delivery</a>	Leadership & Management	2 days	£1362

### Configuring and Deploying a Private Cloud

#### About this course

This course equips students with the skills they require to configure and deploy a cloud using Microsoft System Center 2012 R2. Using hands-on labs, students learn the following:

- Produce a high-level design that accounts for requirements for cloud environments.
- Configure and deploy the cloud fabric.
- Configure a PXE server, an update server, and a software update baseline.
- Configure Microsoft Server Application Virtualization (App-V) so that it can be used to sequence and deploy an application virtually.
- Build the core components necessary for delivering services on the fabric.
- Allocate resources to a cloud and grant access to a cloud.
- Understand how to monitor clouds using Operations Manager.
- Understand the tools necessary to extend and customize Operations Manager for cloud environments.
- Set up, configure, and integrate the core components of Service Manager into a cloud fabric.
- Configure a service catalog, and then publish it to the Self-Service Portal.
- Gain the knowledge necessary to deploy and configure Data Protection Manager in a cloud.

## Activity

### Building the table

The first thing we're going to do is take our template file index.html from the starter folder and tabulate the data that we see presented within.

1. First of all, orientate yourself with the code. You'll see the course content within the HTML file, but it has no markup to describe how it should be laid out – so as you can imagine, the page is a bit of a mess.
2. The first step is to add our `<table>` tags around the data we want tabulated.
3. Now break up the content into its logical rows using the `<tr>` tag you've learnt about already. You may be able to see what data should be on each row – but if not then ask your instructor for some guidance.
4. Finally, you want to now split each row into its various 'columns' by wrapping each piece of data in `<td>` tags.

So we've gone from an illegible string of data, to highly structured, coherent table. Excellent.

For a bit of polish, let's tidy our code up a bit.

5. Without headings our table is ambiguous, so before the first row, add in another row and create a header for each column using the `<th>` element.
6. Why do we use a `<th>` element rather than just a `<tr>` element?

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7. It is best practice to wrap your table headers in a `<thead>` element. It not only provides some syntactic sugar, but also enables things, such as scrolling table bodies separately from the headers, and when printing long tables that may span several pages the header information can be repeated on the page break. Add this element to your table along with the appropriate `<tbody>` tags.
  8. Finally, we would rather our heading 'A sample of our courses' was tied to the data it is actually representing. For this, we use the `<caption>` element which needs to be the first child of the `<table>` element. Your page should look something like this:



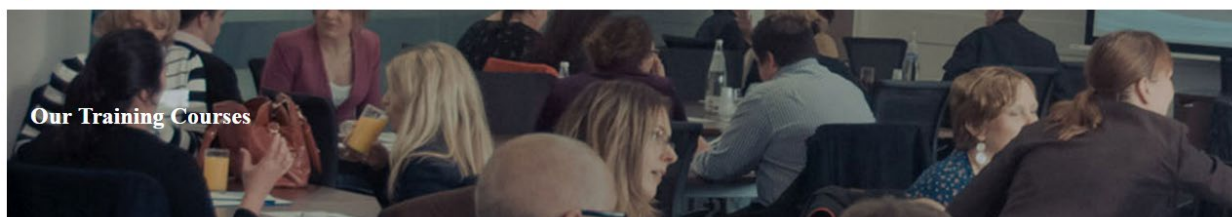
A sample of our courses			
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## Building the iframe

We could easily create a system of links to navigate around our pages, but now that we know about iframes, we can go a step further and load the course details onto the existing page.

1. First things first, we need to create an iframe. Near the bottom of the page, we've put a comment to indicate where to put your code. We've already added the styles to set its height, width and position on the page, so you just need to create the iframe element and give it a name of courseContainer:
2. Now we need to hook up links which point at the course pages. Feel free to choose whatever data you'd like to turn into links – I used the course title column. Follow the same process you used before – except this time, you'll need to add an additional attribute to your anchor tags, the 'target' attribute which points to the name of our iframe.

If you've successfully completed the steps – you'll have a page that looks like the below and will load the course pages into your iframe.



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### AWS Technical Essentials

**About this course**

This course introduces AWS products, services, and common solutions with immersive exercises and hands-on activities. It helps learners who do not come from a technical background to gain proficiency in Amazon Web Services and empowers them to make informed decisions about IT solutions based on business requirements.

**Target Audience:**

This course is designed for individuals who need a basic introduction to AWS core services.

**Hands On:**

- This 1-day training gives step-by-step instructions, provides for exploratory learning and self-discovery with learning exercise and real world scenarios.