

COA123 Web Programming

Dr Hossein Nevisi

Lab 5: PHP Basics

Objective:

- Learn how to run PHP script on server
- Learn how to use embed PHP in HTML
- Generate HTML tables using flow of control and nested loops in PHP
- Review and practice lecture content

1. Download **firstphp.php**, inspect the code and complete the requested task (note that to run php files, you need to upload it to sci-project server and run the file using URL on your browser). Finished result looks like this:

Module name: Web Programming - COA123

This module is delivered in [Loughborough University](#).

You can see below the list of the students:

- Student ID is: B12345 and student name is: Emma
- Student ID is: B22334 and student name is: Tom
- Student ID is: B55667 and student name is: Hannah

2. Download **builtfunctions.php**, inspect the code and complete the requested task (you can use [php.net](#) or [w3schools.com/php/](#) to search built-in functions, such as `echo`, `rand()` and `date()`; learn their syntax with examples provided).
3. Download **createtable.php** from Learn. It gives you a basic HTML template to start with. You will need to add PHP code, in particular flow of control (e.g. “for” loop and nested “for” loops) to generate tables as illustrated below.

Heading 1	Heading 2	Heading 3
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10

Task 1: Generate 10 rows of numbers with alternative colours along each column

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

Task 2: Based on Task1, generate a 10x10 multiplication table