

## Task 4: PHP+SQL

In the following if the script is not supplied, that means you have to create it from scratch. If it is, then you will have to modify it, and it contains information to help you do that.

- 1- Write a PHP script **info.php** to get and display the PHP version and configuration information. [0.5]
- 2- The supplied file **php\_table.php** has an array variable “\$values” that contains information. Each index in the array contains multiple information about the same person. Modify this code to display this information as an HTML table. Don't forget to add a header, it should look similar to:

Name	Age	Salary
John	24	4000
Robert	27	3500
Queen	20	4500
Jenny	22	3000

[1.5]

- 3- Write a php script **multiply\_table.php** that creates a multiplication table in HTML [1].

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

- 4- Write a php script **fact.php** that calculates the factorial of a given number as a parameter. The function should return 0 if the value is invalid. Write a case to test it too. [1]
- 5- Write a php script **create\_all.php** to create a database called **Company**. Inside it create a table called **workers**. The table should have an **ID** (**NEVER USE A STRING FOR ID**, use Integer/long they are simple easy to manipulate and compare datatypes), a **name**, a **department** (IT, HR, Management, Accountant), a **salary**, an **age**, and hiring **year**. [1]

- 6- Write a php script **add\_examples.php** and add about 20 entries to the database, all in one go. (there must have variety in the information, especially the name department and salary) **[1]**
- 7- Write a php script **view\_manage.php** to display the information of people in the Management department. **(you should have at least 3 entries added in step 6). [0.5]**
- 8- Write a php script **view\_hr.php** to display the information of people in the HR department. **(you should have at least 3 entries added in step 6). [0.5]**
- 9- Write a php script **view\_all.php** that display 5 entries/rows from the database according to which page number we are on, the default page is the first page (page number is determined by the "GET" page variable, in all cases of page numbers, we view the same page but the page number changes, if the variable is unset assume the default value of the first page). There should be a button to go to next page, and load the next 5 entries, or back to load the 5 entries before. **[3]** (Going out of bounds by using the buttons should be not allowed if they are shown and remember that we still load the same page, but different value for the page number) If you can't go back don't display the back button, if you can't go forward don't display the forward button. **[1]**

**View all entries in table.**

In this part you'll need to customize the Javascript and store information in "GET" variables. A user should be able to modify the "GET" variable for the page number he is in and for it to still work (provided it is correct).

- 10- If the user modified the "GET" page variable (this relates to point 9, the page **view\_all.php**), if it is out of bounds (no result is found), reset the page number to '1' and load contents of page number '1'. **[1]**