

ECS417U Lab sheet for week 10

Exercise 1

Write the XHTML code to create a form with the following capabilities:

1. A text widget to collect the user's name
2. Four checkboxes, one each for the following items
 - a. Four 100-watt light bulbs for \$2.39
 - b. Eight 100-watt light bulbs for \$4.29
 - c. Four 100-watt long-life light bulbs for \$3.95
 - d. Eight 100-watt long-life light bulbs for \$7.49
3. A text widget to collect the number of battery packs ordered by the user at the price of \$10.42 each.
4. A collection of three radio buttons that are labelled as follows:
 - a. Visa
 - b. MasterCard
 - c. AmericanExpress

Then write a PHP script that computes the total cost of the ordered light bulbs and battery packs after adding 17.5 percent VAT. The program must inform the buyer of exactly what was ordered in a table, and what credit card was chosen to make payment.

Exercise 2

Write a PHP script to create an array named `employee_salary`. The keys of the array are names of employees and the values are their salaries. Use the *asort* function to sort the array according to the salary of the employees. Then use the *ksort* function to sort the array by the names of the employees. Use the *foreach* statement to output the keys and values of the array before and after sorting.

Exercise 3

Re-do exercise 2, but this time write your own sorting functions. Specifically, write *my_asort()* and *my_ksort()* that do exactly the same as *asort* and *ksort* respectively.