Birkbeck, University of London

Web programming using PHP

**TMA**

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BSC Computing

Module: BBK\_SSCS025H5\_1717

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1. **PSEUDOCODE:**
2. REQUIRE ONCE – functions.php
3. INCLUDE //PHP file - header(containing necessary HTML tags)
4. DECLARE **$openedDir** = open dir with txt files
5. WHILE (there are files in the dir, read the dir and store to variable **$file**)
6. IF (exclude ‘.’ and ‘..’ file names)
7. Break
8. IF (file extension is not .txt)
9. Break
10. DISPLAY <p>Module data</p>
11. DISPLAY **$file –** name (File name : ….txt)
12. OPEN .txt and store **entire file** into array **$lines**
13. IF(File is empty)
14. DISPLAY Error message
15. Break
16. FUNCTION(firstLine) – explode first line of .txt and store each data in   
     meaningful var:**$moduleCode, $moduleTitle, $tutor, $markedDate**
17. DISPLAY **isValidCode($moduleCode)**,  
     **isValidTitle($moduleTitle),  
     isValidTutor($tutor),  
     isValidDate($markedDate)  
     -** functions return data or meaningful error message
18. DISPLAY <p>Student ID and Mark Data read from file:</p>
19. FOR (**$currentLine = 1; $currentLine < count($lines); $currentLint ++**)
20. **isValid\_ID\_Mark($lines[$currentLine])** – function explodes the line and check if ID and mark is valid and echos data and   
     error message if needed, valid lines stores in array **$linesToDisplay** and grades stores in **$gradesToAnalyse**
21. ENDFOR
22. DISPLAY <p>ID’s and module marks to be included:</p>
23. FOREACH (**$marksToDisplay)** // elements of an array are stored in format: studentID : mark
24. echo <p>**$linesToDisplay**</p>
25. ENDFOR
26. DISPLAY <p>Statistical Analysis of module marks:</p>
27. <p>Mean: **$mmr($gradesToAnalyse)**</p>
28. <p>Mode: **$mmr($gradesToAnalyse, ‘mode’)**</p>
29. <p>Range: **$mmr($gradesToAnalyse, ‘range’)**</p>
30. <p> # of students:**count($gradesToAnalyse)**</p>
31. DISPLAY <p>Grade Distribution of module marks:</p>
32. **displayDistribution($gradesToAnalys) //** function that counts **Dist , Merit, Pass** and  **Fail** grades, and display them to the website
33. CLOSE file
34. ENDWHILE

Reading