

CSE3002 – Internet and Web Programming Lab

Faculty Incharges : Prof S.Maheswari & Dr Prasanna

Lab Exercise 9 – 24/09/2020 (L58+L59+L60)

1. You are given a dataset of N students belonging to the same class. The data contains name of the student followed by marks they scored in five subjects which are Physics, Chemistry, Mathematics, English, and Hindi. Your task is finding the average marks of the class for each individual subject (Use Associative array and function)

Input Format:

First line will contain an Integer N, denoting the number of students in the class. Each of the Next N lines will contain a string S denoting the student name, followed by five integers m1, m2, m3, m4, m5 denoting the marks scored in each subject.

Constraints

$1 \leq N \leq 10^3$ $1 \leq S \leq 10^2$ $0 \leq m1, m2, m3, m4, m5 \leq 100$

2. Create a web application which calculates PF based on the input entered by the user. Both the employer and the employee are mandated to contribute a certain percentage of the employee's salary towards the employee's pension fund. The rate is tabulated as follows: However, the contribution is subjected to a salary ceiling of Rs.20000. In other words, if an employee earns Rs.60000 only Rs.20000 attracts employee's and employer's contributions, the remaining Rs.40000 does not. Given the employees' age and monthly salary, find out the total contribution made by employer and employee together per year.
3. Write a JQuery program to do the following in a web page.
Create three buttons with labels red, green, blue, when the mouse is moved over it the background color has to be changed respectively. Create a HTML page holding a list of items and an [ExtractText] button is given. Implement the extractText function which will be called when the button's onClick event is fired. Create a HTML page holds a list of towns, a search box and a [Search] button. Implement the search function to bold the items from the list which include the text from the search box.