CT103 Lab Exam

Group 1
2-4 pm
Tuesday 24th March 2015

Instructions

- This lab exam is open book you may use all <u>printed</u> <u>materials</u> (books, lecture notes) as well as accessing Blackboard (lecture notes, past labs,..)
- The use of mobile devices is forbidden
- The use of messaging, email, chat or other communications is forbidden
- Do not waste your time on Google you won't find the solutions, and all the information you need is on Blackboard already.
- Submit your program (using the normal method) as a .zip file, where the name of the file is your student ID number.

Instructions

- You are given a delimited file containing electricity price records from the US
- Your program must read the data into an array of appropriate data structure, e.g.

```
typedef struct
{
   int year;
   double price[12];
   double average;
} electricity;
electricity records[30];
```

- Your program must calculate the average for the year for a specific record using the monthly date read in from the file.
- The program gives the user the option of finding the month with the highest price, or the year with the highest average price

Sample input / output

