Computer Programming

C20013

Programming Assignment 01 (2003/4)

Farleigh Farriers is a small farrier operation with a long-established history and reputation. They are presently exploring the possibility of computerisation and are examining how this may be beneficial.

One of the time consuming activities carried out on a weekly basis by the company is calculation of wages. You have been asked to write a computer program that will show the company the labour saving benefits of computerisation.

Your program will allow for the hours worked of 10 employees to be entered. It may be assumed that all employees are paid the one hourly rate and that overtime doesn't apply.

For each employee the gross pay will then be calculated; PRSI of 6% will then be calculated and deducted from the gross; PAYE will then be calculated at 20%; assuming all employees are single a tax credit of 41.92 will be deducted. The gross, PRSI, PAYE and Nett pay will then be displayed for each employee.

A running total of each of the four values will be kept and at the end of the program run this will then be displayed. A sample run of the program (with only 2 employees) is shown here:

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Enter the hourly rate of employees: 12.54
Employee #1, Enter hours worked: 23
Gross: 288.42 PRSI: 17.31 PAYE: 12.30 Nett: 258.81
Employee #2, Enter hours worked: 38
Gross: 476.52 PRSI: 28.59 PAYE: 47.67 Nett: 400.26
Summary:
Gross: 764.94 PRSI: 45.90 PAYE: 59.97 Nett: 659.07
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Notes:
- This assignment is worth 30% of the whole module.
- Submission is both by paper and electronically.
- The paper submission must have a sign 'My Own Work' cover sheet, available from http://mail.cti-clonmel.ie/
- Sample data must be provided.
- Flow charts should be provided.
- Changes in the conditions or other aspects of this assignment are possible. It is your responsibility to keep yourself appraised of its current status.
- Due date: **15:15, Friday 19th December, 2003.**