

Payroll

Parkwood Vale Arts Club must pay its staff for the hours worked and needs to calculate the correct amount of pay for each staff member.

Users will input the monthly salary (Gross Pay) and the system will calculate and display deductions (Tax, National Insurance and Pension Contribution), and the correct amount of take-home pay (Net Pay).

The following calculations should be used for the prototype software:

- Tax= 19% of Gross Pay
- National Insurance= 12.5% of Gross Pay
- Pension Contribution= 10% of Gross Pay
- Deductions = Tax + National Insurance + Pension Contribution
- Net Pay = Gross Pay - Deductions.

They have decided that currently there is no need to store the results of these calculations.

The Payroll form should include buttons that:

- carry out the calculation
- return to the main menu.

A partial design for the user interface has been provided:

The image shows a software window titled "Payroll". It contains several input fields and two buttons. The "Gross Pay" field has the value "0". Below it is a "Calculate" button. The "Tax:" field has the value "0.0". Below it is the "National Insurance:" field with "0.0". Below that is the "Pension Contribution:" field with "0.0". Below that is the "Deductions:" field with "0.0". Below that is the "Net Pay:" field with "0.0". At the bottom center is a "Back" button.

Parkwood Vale Arts Club would like the system developed using the Python programming language to enable them to make additions and changes to the program later.