

## Programming (Visual Basic) - Exercise

### Wages

The screenshot shows a Windows-style application window titled "Pay Calculator". The window has a blue title bar with standard minimize, maximize, and close buttons. The main content area has a light beige background. At the top, the text "Pay Calculator" is displayed in a large, purple, serif font. Below this, there are input fields for "Name:" (containing "Sally Thomas") and "Hours worked:" (containing "35"). To the right of these fields are two radio buttons: "Labouner" (which is selected) and "Supervisor". Below the input fields is a summary box with a 3D border, containing labels and values for "Name:", "Gross pay:", "Tax payable:", and "Net pay:". To the right of this box are three buttons: "Calculate Pay", "Clear", and "Exit". At the bottom of the window, there is a label "Total wages to pay:" followed by a text field containing "\$1,102.50".

### Program specifications:

Upon execution, your program will allow the user to enter the name of an employee and the hours they worked for the week. You choose whether the employee is a Labourer or a Supervisor and click 'Calculate Pay'. This will then calculate how much gross wages the employee has earned, deduct any taxes from the gross pay and show what the net pay is. The gross pay is added to a running total which is displayed under 'Total wages to pay'.

### Wages are as follows:

Supervisor:	40.50
Labourer:	15.75

The tax rate is 18% and is charged when the employee earns at least \$350.00. Tax is calculated as follows:

$$\text{taxPayableDecimal} = \text{payAmtDecimal} * \text{TAX\_RATE\_Decimal}$$

Your program should ensure that invalid entries in the hours field returns an error message. Also ensure the name is not left blank.

The gross pay, tax payable and net pay are to be displayed in labels with a 3d border. The clear button clears the labels and text fields and resets the radio button to Labourer.