

## Yearly Pay

**OBJECTIVE:** Suppose an employee gets paid every two weeks and earns \$1750.25 each pay period. In a year the employee gets paid 26 times. Write a program that defines the following variables:

*payAmount* – This variable will hold the amount of pay the employee earns each pay period. Initialize the variable with 1750.25.

*payPeriods* – This variable will hold the number of pay periods in a year. Initialize the variable with 26.

*yearlyPay* – This variable will hold the employee's total yearly pay, which will need to be calculated using the above variables.

The program should calculate the employee's total yearly pay by multiplying the employee's pay amount by the number of pay periods in a year, and store the result in the *yearlyPay* variable. Display the total yearly pay on the screen.

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An employee earning $1750.25 for 26 periods will earn $45506.5 each year.
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**GRADING:** (30 points total)

Points	Objective
3	Empty shell – Program compiles and runs without any errors.
10	Variables, <i>payAmount</i> and <i>payPeriods</i> , are declared and initialized correctly. The yearly pay is calculated by hand and simply outputted to the screen.
20	Variables, <i>payAmount</i> and <i>payPeriods</i> , are declared and initialized correctly. Variable, <i>yearlyPay</i> , is declared and initialized with the correct yearly pay, which is calculated by hand. Variable, <i>yearlyPay</i> , is outputted to the screen.
28	Variables, <i>payAmount</i> and <i>payPeriods</i> , are declared and initialized correctly. Variable, <i>yearlyPay</i> , is declared. The program calculates the employee's <i>yearlyPay</i> and stores it in <i>yearlyPay</i> . All 3 variables are used in an output message similar to the following, “An employee earning <i>&lt;payAmount&gt;</i> for <i>&lt;payPeriods&gt;</i> periods will earn <i>&lt;yearlyPay&gt;</i> each year.”, however, there is at least one formatting or calculation error.
30	Variables, <i>payAmount</i> and <i>payPeriods</i> , are declared and initialized correctly. Variable, <i>yearlyPay</i> , is declared. The program calculates the employee's <i>yearlyPay</i> and stores it in <i>yearlyPay</i> . All 3 variables are used in an output message similar to the following, “An employee earning <i>&lt;payAmount&gt;</i> for <i>&lt;payPeriods&gt;</i> periods will earn <i>&lt;yearlyPay&gt;</i> each year.” There are no errors.