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| **Application/ Program name:** | CH2\_EX8 |
| **Written by:** | Allen J Myers |

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| **Purpose or problem definition:** |
| To calculate values using two integers, and calculate the wage of an employee who works “x” number of hours at a rate of $12.50/hour. |
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| **Program Procedures:** |
| 1.Enter two integers. Program will reiterate these values, display them, and then multiplies NUM1\*2 and adds the value of it to NUM2. Program then add’s 11 to the resulting value and displays it. Terminal then asks user for their last name, user inputs it. Terminal asks for user’s hours worked. Program then calculates their wage, and then displays the users last name, hourly rate, number of hours worked and their salary. |
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| **Algorithm/Processing/Conditions:** |
| **Inputs:** |
| Terminal asks user for two integer values, their surname, and number of hours worked. |
| **Processes:** |
| Program calculates the value of the integer values when the first integer is multiplied by 2 and then the second integer is added to the value of the result. |
| **Outputs:** |
| Terminal reiterates the inputted values, the results of the calculations and the name, number of hours worked, rate, and salary. |
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| **Notes & Restriction:** |
| Program will not run properly if input requested is not in proper form, such as integers for int values or characters for string values. |
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| **Comments:** |
| Very simple program with very simple arithmetic operations. |