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| ***Computer Science 2061 -*  ASSIGNMENT #4** | | |
| **Program** | Description | **Execution Listing** |
|  | Write a payroll program that:   * Prompts for the number of employees * Inputs the names, wage rates and hours for each employee * Calculates the wage * Displays the name, hours, rate and wage * Please use test data as shown to the right * Use lists for employee names, rates, hours and wages | *>>>*  *\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Payroll Program \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**  *\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Data Input \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**  *Please enter the number of employees: 3*  *Enter the employee name: Ann Annson*  *Enter the employee wage rate: 8.50*  *Enter the employee hours: 35*  *Enter the employee name: Bill Billson*  *Enter the employee wage rate: 12.50*  *Enter the employee hours: 42*  *Enter the employee name: Carol Carolson*  *Enter the employee wage rate: 22.50*  *Enter the employee hours: 39*  *\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Payroll Data \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**  *Employee: Ann Annson*  *Hours: 35.0*  *Rate: $8.5/hr*  *Wage: $297.5*  *Employee: Bill Billson*  *Hours: 42.0*  *Rate: $12.5/hr*  *Wage: $525.0*  *Employee: Carol Carolson*  *Hours: 39.0*  *Rate: $22.5/hr*  *Wage: $877.5* |
|  | Write a calculator program that will do the operations as shown to the right. The program must:   * Loop until the user chooses to quit (Hint: use a *while True* loop with a *break*). * Alert the user if they do not pick one of the menu options. * Test all cases as shown to the right. | *>>>*  *\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Calculator Program \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**  *1. Add*  *2. Subtract*  *3. Multiply*  *4. Divide*  *5. Quit*  *Enter your choice: 1*  *Enter an number: 5*  *Enter another number: 3*  *The sum of 5.0 and 3.0 is 8.0.*  *\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Calculator Program \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**  *1. Add*  *2. Subtract*  *3. Multiply*  *4. Divide*  *5. Quit*  *Enter your choice: 2*  *Enter an number: 5*  *Enter another number: 3*  *5.0 - 3.0 is 2.0.*  *\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Calculator Program \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**  *1. Add*  *2. Subtract*  *3. Multiply*  *4. Divide*  *5. Quit*  *Enter your choice: 3*  *Enter an number: 5*  *Enter another number: 3*  *The product of 5.0 and 3.0 is 15.0.*  *\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Calculator Program \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**  *1. Add*  *2. Subtract*  *3. Multiply*  *4. Divide*  *5. Quit*  *Enter your choice: 4*  *Enter an number: 5*  *Enter another number: 3*  *5.0 / 3.0 is 1.6666666666666667.*  *\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Calculator Program \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**  *1. Add*  *2. Subtract*  *3. Multiply*  *4. Divide*  *5. Quit*  *Enter your choice: 6*  *Please choose between 1 and 5!*  *\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Calculator Program \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**  *1. Add*  *2. Subtract*  *3. Multiply*  *4. Divide*  *5. Quit*  *Enter your choice: 5*  *Adios Senora/Senor! Hasta la vista!* |

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| **Notes** |
| 1. In the execution listing, numeric values don’t have to appear exactly as shown above. For example, $44.50 is OK instead of $44.5. 2. Make sure that you use good programming style and documentation. 3. **USE VARIABLES FOR ALL VALUES IN THE PROGRAM**. 4. Unless instructed otherwise, always use the test data described in the problem. 5. Copy and paste your execution and code listings into the *Homework Template* document. Please ensure that:    * Problems are in the order listed on the assignment sheet (I.E. Program #1 first, Program #2 second, etc.)    * The execution listing corresponds with the code listing. In other words, the code listing will produce the execution listing. If it does not, no credit will be received for that problem. 6. The work you submit must be your own. Please note that any of the following actions are considered cheating:    * Electronically copying or inserting any code that you did not create.    * Manually copying or inserting any code that you did not create. |