|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Last Name: A string input. |  |  |
| Month: The month (e.g., "Jan", "Feb", etc.). | Jan, Feb, Mar -> 0.10  Apr, May, Jun -> 0.15  Jul, Aug, Sep -> 0.20  Oct, Nov, Dec -> 0.25 |  |
| **Sales**: A numerical value representing sales. | Next month’s sales=sales×(1+forecast percent) | Display the forecasted sales for the next month based on the user's input. |

#1

#2

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Length: Length of the room (numeric input). |  |  |
| Width: Width of the room (numeric input). | Computation of Wall Square Footage: 2×length×height+2×width×height  Gallons of Paint: Gallons Needed=Wall Square footage/50 |  |
| Height: Height of the room (numeric input). |  | Gallons of Paint Needed: Display the calculated number of gallons of paint required to cover the walls of the room. |

#3

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Make (e.g., Honda, Toyota, etc.) |  |  |
| Model (e.g., Accord, Rav4, etc.) | Determine the discount based on the make, model, or electric vehicle status. |  |
| Electric Vehicle Code (Y or N) |  |  |
| MSRP (numeric input) | Compute Discounted MSRP: MSRP \* (1-Discounted Percentage)  Apply sales tax: Total Price=Discounted MSRP×1.07 | Display the out-the-door price (after discount and sales tax).  Display the cumulative total MSRP and total sales price for all cars processed so far. |

#4

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Yes/No (to continue or exit) |  |  |
| Last Name (e.g., Smith) | Determine the ticket price based on the miles using conditional statements.  Keep a running total of all ticket prices. |  |
| Miles from Downtown Chicago (numeric input |  | Display the calculated ticket price.  Display the total price of all tickets so far. |

#5

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Yes/No (to continue or exit) |  |  |
| County (e.g., Cook, DuPage, etc.) | Calculate the assessed value: Assessed Value= Market Value \* Assessed Value Percent |  |
| Market Value (numeric input) |  | Display the calculated assessed value for the current home.  - Display the total market value and total assessed value for all homes so far. |