

Input for the program will be the customer first name (must be entered – adjust to title case), the customer last name (must be entered – adjust to title case), the phone number (must be entered - must be 10 digits), the plate number (must be entered – must be 6 characters - convert to all caps – **BONUS:** entered in the format XXX9999), the car make (ie: Toyota), the car model (ie: Corolla), the year (ie: 2018), the selling price (does not exceed \$50,000.00), the amount of the trade in (does not exceed the selling price), and the salespersons name. **NOTE:** Validation is only required on the fields as specified.

Display results based on the following guidelines: Customer name is the first initial and the last name, the second line is the street address, and the third line is the City, Province and Postal Code. Car Details are the Year, Make and Model – ie: 2014 Toyota Corolla. The program should create a Receipt ID for the sale in the form XX-XXX-XXXX where the first two characters are the customer initials, the middle 3 characters are the last 3 digits in the license plate number, and the final 4 characters are the last 4 digits of the phone number.

| | | | | | | |
|--|---|---|---|------------------------------|---|-------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 12345678901234567890123456789012345678901234567890123456789012345678 | | | | | | |
| Honest Harry Car Sales | | | | Invoice Date: Month dd, yyyy | | |
| Used Car Sale and Receipt | | | | Receipt No: XX-XXX-XXXX | | |
| Sold to: | | | | Sale price: | | \$99,999.99 |
| | | | | Trade Allowance: | | \$99,999.99 |
| | | | | ----- | | |
| X. XXXXXXXXXXXXXXXXXXXXXXXXXXXX | | | | Price after Trade: | | \$99,999.99 |
| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | | | | License Fee: | | \$99,999.99 |
| XXXXXXXXXXXXXXXXXXXX,XX XXXXXX | | | | Transfer Fee: | | \$99,999.99 |
| | | | | ----- | | |
| Car Details: | | | | Subtotal: | | \$99,999.99 |
| | | | | HST: | | \$99,999.99 |
| XXXX XXXXXXXXXXXXXXXX XXXXXXXXXXXX | | | | ----- | | |
| | | | | Total sales price: | | \$99,999.99 |
| ----- | | | | | | |
| Best used cars at the best prices! | | | | | | |

Display the following payment schedule to the screen using a loop based on the number of years the customer will use to pay off the car. For each of 4 years, calculate the number of monthly payments (Years * 12), the financing fee at 39.99 per year, the total price as the total sales price plus the financing fee, and the monthly payment (The Total Price divided by the number of months). The first payment date is 30 days from the purchase date.

NOTE : your numbers will be different – these are just displayed as a sample. This will allow the user to decide on payment options.

1 2 3 4 5 6 7
12345678901234567890123456789012345678901234567890123456789012345678

| # Years | # Payments | Financing Fee | Total Price | Monthly Payment |
|-------------------------|------------|-------------------------------|-------------|-----------------|
| 1 | 12 | \$39.99 | \$12,838.00 | \$1,069.83 |
| 2 | 24 | \$78.98 | \$12,916.98 | \$538.22 |
| 3 | 36 | \$119.97 | \$12,957.97 | \$359.94 |
| 4 | 48 | \$159.96 | \$12,997.96 | \$270.79 |
| ----- | | | | |
| Invoice date: dd-MON-yy | | First payment date: dd-MON-yy | | |