|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
| CustFirst  CustLast  Phone  PlateNum  CarMake  CarModel  CarYear  SellPrice  TradeValue  SalesName | Determine Constants:  FINANCE\_FEE = 39.99  LICENSE\_FEE\_LOW = 75.00  LICENSE\_FEE\_HIGH = 165.00  TRANSFER\_RATE = .01  LUXURY\_TAX\_RATE = .016  HST\_RATE = .15  Input the following:  CustFirst  CustLast  Phone  PlateNum  CarMake  CarModel  CarYear  SellPrice  TradeValue  SalesName  Perform Calculations:  PriceAfterTrade = SellPrice – TradeValue  If SellPrice <= 15000:  Subtotal = PriceAfterTrade + LICENSE\_FEE\_LOW + (PriceAfterTrade \* TRANSFER\_FEE)  HST = Subtotal \* HST\_RATE  TotalPrice = Subtotal + HST  Elif SellPrice > 20000:  Subtotal = PriceAfterTrade + LICENSE\_FEE\_HIGH + ((PriceAfterTrade \* TRANSFER\_FEE) + (PriceAfterTrade \* LUXURY\_TAX\_RATE))  HST = Subtotal \* HST\_RATE  TotalPrice = Subtotal + HST  Else:  Subtotal = PriceAfterTrade + LICENSE\_FEE\_HIGH + (PriceAfterTrade \* TRANSFER\_FEE)  HST = Subtotal \* HST\_RATE  TotalPrice = Subtotal + HST | CustFirst  CustLast  Phone  PlateNum  CarMake  CarModel  CarYear  SellPrice  TradeValue  LicenseFee  TransferFee  Subtotal  HST  TotalPrice  Looping payment plan with:  Years  Payments  FinanceFee  TotalPayments  MonthlyPayments |
|  | Initial = CustFirst[0]  FullName = Initial + “. ” + CustLast  PhoneNum = “(“ + Phone[0:3] + “) ” + Phone[3:6] + “-“ + Phone[6:10]  ReceiptID = CustFirst[0] + CustLast[0] + “-“ + PlateNum[3:6] + “-“ + Phone[6:10]  LuxuryFee if statement here |  |