

P1

Input	Process	Output
lastname		lastname
month	While not eof Compmonthlysales Input = sales, forecast  If month == "Jan" or "Feb" or "Mar": Forecast = .10 elif month == "Apr" or "May" or "Jun" Forecast = .15 elif month == "july" or "aug" or "sep": Forecast = .20 Else: Forecast = .25	Forecast
sales	Monthlysales = sales*(1+forecast) Return monthly sales	Total
Response	Display monthlysales Display forecast	"Do you want to repeatedly run this program? "

P2

Input	Process	Output
length	While not eof Def compsquarefoot(length, width, height)	
	$2 * (\text{length} * \text{width}) + 2 * (\text{width} * \text{height}) + 2 * (\text{length} * \text{height})$  Return squarefoot	
width	Squarefoot = compsquarefoot(length, width height)	

height	Gallons = int(squarefoot/50)	Squarefoot GallonsNeeded
response		"Do you want to repeatedly run this program?"

P3

INput	Process	Output
Make response	Count = 0 Count2 = 0 Salesum = 0 Def comp totalprice  If make == "Honda" and model == "Accord": Discountpecent = .10 Elif make == "Toyota" and model == "Rav4": Discountpercent = .15 Else: Discountpercent = .05  Discount = discountpercent * 100  Tax = msrp * .07	"Do you want to repeatedly run this program?"
model		
msrp	Totalprice = (msrp - discount) + tax	
electricrepsonse	"Is vehicle electric?" Count = count + msrp Count2 = count2 + salesum	If electricresponse == "yes": Discount = .30
		Display Discounted price Display Stickersum

P4

Input	Process	Output
milesI	Count = 0 Def compticketprice(miles) Return ticketprice	Ticket  "Do you want to repeatedly

	While not eof	run this program?"
lastname	If miles >= 30: Ticket= 12.00 Elif miles >= 20 and miles <29: Ticket = 10 If miles >= 10 and miles < 19: Ticket = 8 Else: Ticket =5	Display lastname
	Count = count + ticket	
Response		Display Ticketcounter Display Ticketprice

P5

input	pocess	output
homevalue	Count = 0 Count2 = 0  While not eof Def compmarketvalue(county, valueperc)  Marketvalue = homevalue * valueperc	
county	If county == "Cook": valueperc= .90 Elif county == "DuPage": Valueperc = 80 Elif county == "McHenry": Valueperc = .75 Elif county == "Kane": Valueperc = .60 Else: Valueperc = .70	homevalue
response	Count = count + marktevalue	Display homevalue Display maketvalue

	Count2 = count2 + homevalue	Display total homevalue + total marketvalue  "Do you want to repeatedly run this program?"
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