Question 1

Input	Process	Output
Quantity of widget	Dtermine unit price value If quantity > 10000 then unit price value is 10 If quantity is >= 5000 then unit price value is 20 If none of the above then unit price value is 30	print Extended price value Tax amount value Total price value
	Extended price val = widget quantity value * unit price value	
	Tax amount value = extended price value ** 0.07	
	Total price value = extended price value + tax amount value	

Question 2

Input	Process	Output
Part number value Part quantity value	If part number value is 10 or 55 then unit cost value = 1 If part number value is 99 then unit cost value = 2 If part number value is 80 or 70 then unit cost value = 3 Anything else unit cost value = 5	Print Part number value Unit cost value Total cost value
	Total cost value = part quantity value * unit cost value	

Question 3

Input	Process	Output
Principle amount value Maturity years value	If principle value is > 10000 and maturity years value = 5 then interest rate value is 0.06 If principle amount value >= 50000 and principle amount value =< 10000 and maturtity years value = 10 then interets rate value = .05 If principle amount value >= 50000 and principle amount value =< 10000 and maturity years value = 5 then interest rate value = 0.04 Anything else interest rate value = .02	Print Principle amount value Interest rate value First year interest value
	First years interest value = principle amount value * interest rate value	

Question 4

Input	Process	Output
Ticket quantity value	If ticket quantity value >= 25 then ticket price value = 50 If ticket quantity value >= 5 then ticket price value = 70 Anything else ticket price value = 75	Print Ticket quantity value Ticket price value Total ticket cost value
	Total ticket cost value = ticket quantity value * ticket price value	

Question 5

Input	Process	Output
Employee last name Employee salary value Job level value	If job level value >= 10 then bonus rate value = .25 If job level value >= 5 then bonus rate value =.20 Anything else bonus rate value =.10	Print employee last name value Bonus amount value
	Bonus amount value = employee salary value * bonus rate value	